

TRANQL ONLINE UPS

















About Hykon

Hykon: Powering the Nation, One Innovation at a Time

Hykon, established in 1991, is a leading ISO 9001-certified company with a rich heritage in power electronics. Our journey began with a vision – to become a pioneer in this critical field and contribute to the nation's growth. From a humble beginning with just five employees, Hykon has flourished under the leadership of Mr. Christo George, a dedicated technocrat with a passion for innovation.

Today, Hykon stands tall with a diverse portfolio. We are not just a power electronics company anymore; we have strategically expanded into Medical Transcription Technology, Information Technology and Solar Energy, constantly seeking new avenues to serve our nation's evolving needs.



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$1 \phi - 1\phi$: TOWER TYPE UPS



1~6kVA

(Operation

1 P/1 P, on line double conversion

(A) Application

IT, Education, Office environments, Server Rooms, Data Center, Communication Base Station, Bio-Medical Instruments, Projectors, CCTV, Modem etc.

- High efficiency up to 95.5%.
- Output PF=1, high load adaptability
- Wide input voltage range of 110~300Vac.
- Max charging current up to 12A.



	Model	HT1101S	HT1101L	.T-TL	Н	T1102S	HT1102L1	-TL	HT1	103S	HT1103LT-TL	
	Rate Power	1kVA/1kW	1kVA/1	kW	2k	:VA/2kW	2kVA/2k	W	3kV	/A/3kW	3kVA/3kW	
	Cold start	Default output 50/60Hz										
Inp	ut voltage range	110 - 300VAC;100% load@176VAC~276VAC, 100%~50% power derating@11OVAC~176VAC, 50% load@276VAC~300V/										
Inp	out power factor	≥0.99										
Fr	equency range		50/60±5Hz(default),±3Hz/±1OHz(settable)									
Out	put power factor						Unity					
	Rate voltage				220/	230/240VAC,	200/208VAC	(PF=0.9)				
	Load response	≤5% (0% - 100% -0%)										
Output	Recovery time	≤40ms (0% - 100% -0%)										
	Output THDv	≤2% , Linear load ; ≤5%non-linear load according to IEC62040-3										
Transfer	Main to BAT	0										
time	INVto BYP	4ms										
	Crest factor	3:1										
Efficie	ncy (Online mode)	94.5%@100% load 95%@100% load 95.5%@100)% load				
No	oise (1 meter)	43d8@<60%1oad, 47d8@>60%load <50d8@<60%1oad,<55d8@>60%1oad <50dB@<60%1oad,<55dB@>60%							55dB@>60% load			
	Normal	102%-110%: 30mins, 110%~125%:10mins, 125%-150%: 30 seconds										
Overload	Battery mode		102%-110%:	1min, 110)%-125	%: 10 second	s, 125%-150	%:5 secor	nds			
	Bypass mode		<130%: long	time, 130	0%~15	0%:10mins, 1	50%-180%:5	seconds				
	Model	12VDC/7Ah	Depend on	12VD0	C/7Ah	Depend on	12VDC/7Ah	Depend on external battery		12VDC/7Ah	Depend on	
	Quantity	3	external battery	6	6	external battery	6			6	external battery	
Battery	Max charging	1A	1-12A(settable)	1/	4		1A	1-12A(se	ttable)	1A		
	Rate voltage		36VDC		72VDC		72/96VDC		192VDC			
	Additional charger	Optional										
	Standard		RS232, Air filter									
	Option		SNMP car	d,AS400	, USB,	RS485,EPO,	External batte	ry temper	rature,	BMS by dry o	contact	
Dimen	nsion ,W*D*H(mm)	144	4*350*223	190*405	5*330	144*410*223	190*405*330	144*410	0*223	190*605*705	190*605*338	
	Weight (kg)	10.5	4.5	20.5		6	25	6		56	14	





3Ø - 1Ø: TOWER TYPE UPS



10~20kVA

(By Operation

3/1, online double conversion

Application

IT, Education, Office environments, Server Rooms, Data Center, Communication Base Station, Bio-Medical Instruments, Projectors, CCTV, Modem etc.

- Intelligent battery management.
- 3-level topology, high performance and efficiency.
- Online double conversion, full digital control.
- Output PF=1,high load adaptability.
- Wide range of input voltage tolerance.
- Adapt to half-wave load.
- Auto fault waveform recording.
- Self-aging function to save test energy.





Mode		HT3110L-TL	HT3115L-TL	HT3120L-TL				
Rate Pov	ver	10kVA	15kVA	20kVA				
Cold star	t		Default output 50/60Hz					
Input volt	age range		190-499VAC (L-L)	94.2%@100%load, 95%@50%load <62dB				
Input pov	ver factor		≥0.99					
Frequenc	cy range		40-70Hz	rding to IEC62040-3				
Output fr	equency		50/60Hz, self adaption					
Output po	ower factor	Unity						
Rate out	out		220/230/240VAC	±1% %,non-linear load according to IEC62040-3				
Load reg	ulation							
OutputTh	łDu	≤1%,Linear load ≤3%,non-linear load according to IEC62040-3						
Transfer time-INV to BYP			0ms					
Efficiency- Online mode		94%@100% load, 94.5%@70%load	94%@100% load, 94.5%@70%load 94.2%@100%load, 95%@70%load					
Efficienc	y- ECO mode		98%					
Noise (1	meter)	<55dB	<62dB	<62dB				
Overload	(normal mode)	11	0%: 10mins; 125%: 1min; 150%: 30) seconds				
	Model							
	Quantity		External batteries, 16-24 settab	le				
Battery	Max charging		5A					
	Rate voltage	Default 192VDC, settable						
Crest fac	etor	3:1						
Standard			RS232, Air filter					
Option SNMP card, Parallel kit Dry contact, RS485		RS485						
Dimensio	n,(W*D*H)mm	190*554*338	190*564*550	190*564*550				
Weight (I	(g)	20	30	30				









Power range

15~40kVA



3P/3P,3P/1P (50% deration),1P/1P (50% deration),Online double conversion

(Application

IT, Education, Office environments, Server Rooms, Data Center, Communication Base Station, Bio-Medical Instruments, Projectors, CCTV, Modem etc.

- 7 inch touch LCD with IoT functions.
- Flexible configuration as 3/3,3/1,1/1.
- High power density, small volume.
- High reliability and environment adaptability
- Modular design of battery strips, with internal batteries capable of configuring up to 12 battery module strips.







	Model	HT33015L	HT330	30L	HT33040L						
	Rate Power	15kVA	30kV/	A	40kVA						
	Input		3P5W (3P+	N+PE)							
	Rate Voltage	380	/400/415VAC(L-L) 2:	20/230/240VAC(L	-N)						
	Rate Freq.		50/60	łz							
Main	Input PF		>0.99								
input	Current distortion		THDi<3% 100%	Linear load							
	Voltage range	304 478VAC(L-L)full	load 304 228VAC	(L-L) power derat	te from 100% to 75%						
	Freq. range		40-70	łz							
	Rate voltage		±240V[OC							
	Maralal	L	IPS with internal batte	ries,12VDC/7~9Al	h						
	Model		UPS for external ba	tteries,Settable							
	Out-off to		UPS with internal b	atteries,120PCS							
	Quantity		UPS for external ba	atteries, 40PCS							
Battery	Charging capacity		20%*Pe								
	Charging accuracy	±1%									
	Rate voltage	3	80/400/415VAC(L-L)22	0/230/240VAC(L-N))						
Bypass	Voltage range	Range	-40%- +25% , Settab	le, default -20%	+15%						
	Frequency range	5	50/60Hz Settable ±1Hz ±5Hz								
	Rate voltage	380/400/415VAC(L-L) 220/230/240VAC(L-N)									
	Rate Freq.	50/60Hz									
	Output PF	Unity									
	Voltage accuracy	±1.0%									
	Load response	<5% (20% - 80% -20% step load)									
	Recovery time		< 20ms (0% - 100%	-0% step load)							
Inverter	Output THDv	<1% linear load	d ,<5% non-linear	load according to	IEC 62040-3						
	Overload	110%,1 ho	ur 125%,10 mins 1	50%,1 min >150	0%,200ms						
	Frequency accuracy		0.1%								
	Synchronize window		Settable ±0.5Hz-±5l	Hz default ±3Hz							
	Slew rate	Se	ttable 0.5Hz/S-3Hz/	S default 0.5Hz/	/S						
	Crest factor		3:1								
	Phase Accuracy		120°±0	.5°							
	Efficiency	Online M	ode >96% : Battery M	lode >96%; Eco N	Mode > 96%						
	Display		LED + 7 inch t	ouch LCD							
	Certification- Safety		IEC62040-1, IE	C60950-1							
	Certification- EMS	IEC62040-2 IEC61000-4-2(ESI	D) IEC61000-4-3(RS	S) IEC61000-4-4	(EFT) IEC61000-4-5 (Surge)						
System	IP degree		IP20								
	Configuration	US	B, RS232, RS485, Dr	y contact							
	Option	SNMP card AS400 card Parallel kit LBS Air filter									
	Environment	0-40°C operation -25°C-70°C (storage); 0-95% (Humidity, non-condensing)									
	EPO	Yes									
	Parallel Option	Yes									
Dim	ension (W*D*H) mm		500*922	*890							
ווווט	Short (VV D II) IIIII	250*530*6	350	250*7	28*650						





3 Ø - 3Ø: RACK SERIES



Power range

15~40kVA

(Operation

3P/3P,3P/1P (50% deration),1P/1P (50% deration),Online double conversion

(Application

IT, Education, Office environments, Server Rooms, Data Center, Communication Base Station, Bio-Medical Instruments, Projectors, CCTV, Modem etc.

- Mounted in 19 inch rack, or install as tower UPS.
- 7 inch touch LCD with IoT functions.
- Flexible configuration as 3/3,3/1,1/1.
- High power density, small volume, 30kW in 3U.
- · High reliability and environment adaptibility.







	Model	HTRT010LR-TL	HTRT020LR	-TL	HTRI	T030LR-TL	HTRT040LR-T				
	Rate Power	10kVA	20kVA		301	kVA	40kVA				
	Input	3P5W (3P+N+PE)									
	Rate Voltage		380/400/41	5VAC(L-L)	220/230/240V	AC(L-N)					
	Rate Freq.			50/6	0Hz						
Main	Input PF		>0.99								
input	Current distortion		THE	Di<3% 100	% Linear load						
	Voltage range	304	478VAC(L-L)full load	304 228VA	.C (L-L) power	derate from 100%	to 75%				
	Freq. range	40-70Hz									
	Rate voltage		±192/±	:204/±216/±	228/±240/±25	2/±264					
Battery	Charging capacity			20%*	Pout						
	Charging accuracy			±1	%						
	Rate voltage		380/400/-	415VAC(L-L):	220/230/240VAC	C(L-N)					
Bypass	Voltage range				able, default -2						
	Frequency range										
	Rate voltage	50/60Hz Settable ±1Hz ±3Hz ±5Hz 380/400/415VAC(L-L) 220/230/240VAC(L-N)									
	Rate Freq.	50/60Hz									
	Output PF	Unity									
	Voltage accuracy	±1.0%									
	Load response	<5% (20% - 80% -20% step load)									
Investor	Recovery time	< 20ms (0% - 100% -0% step load)									
Inverter	Output THDv	<1% linear load ,<5% non-linear load according to IEC 62040-3									
	Overload		110%,1 hour 125								
	Frequency accuracy			0.1							
	Synchronize window		Settabl	e ±0.5Hz-±	:5Hz default ±	:3Hz					
	Slew rate		Settable	0.5Hz/S-3H	Iz/S default 0	.5Hz/S					
	Crest factor			3	:1						
	Phase Accuracy	120°±0.5°									
	Efficiency		Online Mode ≥ 96	6%; Battery	Mode ≥ 96%; E	Eco Mode ≥ 96%					
	Display			LED + 7 inc	h touch LCD						
	Certification- Safety	IEC62040-1, IEC60950-1									
	Certification- EMS	IEC62040-2 IE	EC61000-4-2(ESD) IE(0-4-4 (EFT) IEC6	31000-4-5 (Surge)				
System	IP degree				20		(0 /				
	Configuration	USB, RS232, RS485, Dry contact									
	Option	SNMP card AS400 card Parallel kit LBS Air filter									
	EPO	Yes									
	Parallel Option	Yes									
	Rail kit				ional						
	Environment	0-40°	C operation -25°C∼	70°C (stora	ige); 0-95% (H	Humidity, non-cond	densing)				
Dimens	sion (W*D*H) mm		444*650*130 (3U)	444*773*	130 (3U)	444*773*175	(4U)				





HYKON MODULAR UPS - 20M



Power range

60~120kVA

Operation

3P/3P,3P/1P,1P/1P,Online double conversion

Application

IT, Education, Office environments, Server Rooms, Data Center, Communication Base Station, Bio-Medical Instruments, Projectors, CCTV, Modem etc.

Mounted in 19 inch rack, or stand alone.

7 inch touch LCD, with IoT functions.

High reliability and environment adaptability, with protection of components level.

Extreme high power density, 20kW in 2U, friendly for space and maintenance.

Option of 30A charger module for long backup applications







	Model	HTF060/20-TL	HTF080/20-TL	HTF100/20-TL	HTF120/20-TL						
	Rate Power	60kVA	80kVA	100kVA	120kVA						
	Input	3P5W (3P+N+PE)									
	Rate Voltage		380/400/415VAC(L-I	_) 220/230/240VAC(L-N)							
	Rate Freq.		50	0/60Hz							
Main	Input PF			>0.99							
input	Current distortion		THDi<3% 1	00% Linear load							
	Voltage range	304 -	478VAC(L-L)full load 304 - 228	VAC (L-L) power derate from 10	0% to 75%						
	Freq. range	40-70Hz									
	Rate voltage	±192/±204/±216/±228/±240/±252/±264									
Battery	Charging capacity	20%*Pout									
	Charging accuracy	±1%									
	Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)									
Bypass	Voltage range		Range: -40%- +25% , S	ettable, default -20% +15%							
	Overload	110%, long time operation; 110%< load<125%, 5 mins; 125% <load<150%,1 min;="">150%,1 second</load<150%,1>									
	Rate voltage	380/400/415VAC(L-L) 220/230/240VAC(L-N)									
	Rate Freq.	50/60Hz									
	Output PF	Unity									
	Voltage accuracy	±1.0%									
Inverter	Load response	<5% (20% - 80% -20% step load)									
Inverter	Recovery time	< 20ms (0% - 100% -0% step load)									
	Output THDv		<1% linear load ,<5% non-li	near load according to IEC 6204	10-3						
	Overload		110%,1 hour 125%,10 mir	ns 150%,1 min >150%,200ms							
	Frequency accuracy			0.1%							
	Synchronize window		Settable ±0.5H	z-±5Hz default ±3Hz							
	Slew rate		Settable 0.5Hz/S-	-3Hz/S default 0.5Hz/S							
	Phase Accuracy	120°±0.5°									
	Efficiency		Online Mode 96%; Batte	ry Mode 96%; Eco Mode 96%							
	Display	LED + 7 inch touch LCD									
	Certification-Safety	IEC62040-1, IEC60950-1									
	Certification-EMS	IEC62040-2 IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge)									
System	IP degree	IP20									
	Configuration	USB, RS232, RS485, Dry contact									
	Option	SNMP card AS400 card Parallel kit LBS Air filter									
	Environment	0-40°C operation -25°C-70°C (storage); 0-95% (Humidity, non-condensing)									
	Noise(dB)(1 meter)	65dB@ 100% load, 62dB@ 45% load									
	EPO	Yes									
	Parallel Option			Yes							
	cabinet(W*D*H)mm	482*700*662(1	5U, wheels not included)	482*700*840 (19U	, wheels not included)						
imention		440*555*85 (2U)									





HYKON MODULAR UPS - 30M



120~240kVA

(I) Operation

3P/3P,Online double conversion

(A) Application

IT, Education, Office environments, Server Rooms, Data Center, Communication Base Station, Bio-Medical Instruments, Projectors, CCTV, Modem etc.

- Fully digital control, flexible and robust.
- 10 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Extreme high power density, 30kW in 2U, friendly for space and maintenance.
- Option of 30A charger module for long backup applications.







	Model	HTF120/30-TL	HTF150/30-TL	HTF180/30-TL	HTF210/30-TL	HTF240/30-TL	HTF300/30-TL					
	Rate Power	120kVA/120kW	150kVA/150kW	180kVA/180kW	210kVN210kW	240kV/240kW	300kVa/300kW					
	Input			3P5W (3	P+N+PE)							
	Rate Voltage		380/400/415VAC(L-L); 220/230/240VAC(L-N)									
	Rate Freq.	50/60Hz										
Main input	Input PF		>0.99									
	Current distortion		THDi<3%(100% Linear load)									
	Voltage range	3	04-478VAC(L-L)fu	ll load; 304- 228VA	C (L-L) power dera	te from 100% to 75	%					
	Freq. range	40-70Hz										
	Rate voltage		±192/±204/±216/±228/±240/±252/±264									
Battery	Charging capacity			20%	*Pout							
	Charging accuracy		±1%									
	Rate voltage			380/400/415VAC(L-L)220/230/240VAC(L-N	I)						
Bypass	Voltage range		Range: -40%- +25% , Settable, default -20% - +15%									
Бурасс	Overload		110%, long time operation; 110%< load<125%, 5 mins; 125% <load<150%,1 min;="">150%,1 second</load<150%,1>									
	Rate voltage		380/400/415VAC(L-L); 220/230/240VAC(L-N)									
	Rate Freq.	50/60Hz										
	Output PF	Unity										
	Voltage accuracy	±1.0%										
	Load response	<5% (20% - 80% -20% step load)										
	Recovery time	< 20ms (0% - 100% -0% step load)										
Inverter	OutputTHDv	<1%(linear load),<5% (non-linear load according to IEC 62040-3)										
	Overload	110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms										
	Frequency accuracy	0.1%										
	Synchronize window	Settable, ±0.5Hz-±5Hz, default ±3Hz										
	Slew rate		5	Settable, 0.5Hz/S-3I	Hz/S, default 0.5Hz	/S						
	Phase Accuracy			120°	±0.5°							
	Efficiency		Online Mode 96%; Battery Mode 96%; Eco Mode 96%									
	Display			LED + 7 inc	h touch LCD							
	Certification- Safety	IEC62040-1, IEC60950-1										
	Certification- EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)										
System	IP degree	IP20										
	Configuration	USB, RS232, RS485, Dry contact, Cold start										
	Option	SNMPcard, AS400card, Parallel kit, LBS, Airfilter										
	Environment	0-40°C(operation);- 25°C-70°C(storage); 0-95% (Humidity, non-condensing)										
	Noise(dB)(1 meter)			65dB @ 100% loa	d, 62dB@ 45% load							
	EPO				⁄es							
	Parallel Option				⁄es							
Dimention	cabinet(W*D*H)mm	482*816*796 (18U,wheels not included) 482*816*1018 (23U, wheels not included)										
	module(W*D*H)mm			440*678*	85 (2U)							





HYKON MODULAR UPS - 60M



120~780kVA

(Operation

3P/3P,Online double conversion



Application

IT, Education, Office environments, Server Rooms, Data Center, Communication Base Station, Bio-Medical Instruments, Projectors, CCTV, Modem etc.

- Fully digital control, flexible and robust.
- 7 &10 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Intelligent system self-diagnosis, rich fault recording, large capacity of history record storage space.
- Maximum system capacity up to 1.8MVA, the best solution for mega data center





	Model	HTF120/60-TL	HTF180/60-TL	HTF240/60-TL	HTF300/60-TL	HTF360/60-TL	HTF480/60-TL	HTF600/60-TL	HTF780/60-TL		
	Rate Power	120kVA/120kW	180kVA/180kW	240kVA/240kW	300kVA/300kW	360kVA/360kW	480kVA/480kW	600kVA/600kW	780kVA/780kW		
	Input				3P5W (3F	P+N+PE)					
	RateVoltage			380/400/	415VAC(L-L);	220/230/240V	AC(L-N)				
	RateFreq.				50/6	OHz					
Main input	Input PF				>0.	99					
	Current distortion				THDi<3%(100°	% Linear load)					
	Voltage range		304-478V	AC(L-L)full load	I; 304-228VAC	(L-L) power o	derate from 10	0% to 75%			
	Freq range				40-7	OHz					
	Rate voltage			±19	2/±204/±216/±2	228/±240/±252	/±264				
Battery	Charging capacity				20%*	Pout					
	Charging accuracy	±1%									
	Rate voltage		±1% 380/400/415VAC(L-L)220/230/240VAC(L-N) Range: -40%- +25% , Settable, default -20% - +15%;								
	Voltage range		Range: -40%- +25% , Settable, default -20% - +15%;								
Bypass			ng time operati				g time operation				
	Overload		nd <130%, 10m and <150%,1m				d<125%, 5 mii d<150%,1 min	ns			
			60%,300ms	""			%,1 second				
	Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)									
	Rate Freq.	50/60Hz									
	Output PF	Unity									
	Voltage accuracy	±1.0%									
	Load response	<5% (20% - 80% -20% step load)									
	Recovery time	< 20ms (0% - 100% -0% step load)									
nverter	Output THDv	<1%(linear load),<5% (non-linear load according to IEC 62040-3)									
	Overload		//////	10%,1 hour; 1	25%,10 mins;	150%,1 min;	>150%,200ms				
	Frequency accuracy				0.1	%					
	Synchronize window	Settable, ±0.5Hz-±5Hz, default ±3Hz									
	Slew rate			Settabl	e, 0.5Hz/S-3H	z/S, default 0.	5Hz/S				
	Crest factor				3:	1					
	Phase Accuracy				120°±	:0.5°					
	Efficiency			Online Mode 9	6%: Battery Mo	ode 96%: Eco	Mode > 98%				
	Display	LED + 7	inch touch LC	:D		LED+	10 inch touch	LCD			
	Certification -Safety	IEC62040-1, IEC60950-1									
	Certification-EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)									
System	IPdegree	IP20									
	Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter									
	Option	SNMP card, Rs232, Parallel kit, SPD, LBS									
	Environment	0-40°C(operation); -25°C-70°C(storage); 0-95% (Humidity, non-condensing)									
	Noise(dB) (1meter)	72dB@ 100% load, 69dB@ 45% load									
	EPO				Y	es					
	Parallel Option	Yes									
	Cabinet(W*D*H)mm	600)*1000*1600		600*100	00*2000		1200*1100*20	000		
imension	n Module(W*D*H)mm				442*65	9*174					





Why Hykon

Today for Tomorrow

At Hykon, we believe the future is built today. We're inspired by your experiences to innovate and develop solutions that meet your evolving needs continuously. Our focus isn't just on delivering exceptional power electronics and green energy products, but on creating a better tomorrow for you and your family.

With over three decades of experience serving multiple large-scale businesses across various industries, we have a proven track record of delivering reliable and efficient power solutions. Our team of experts works closely with clients to understand their unique requirements and provide customized solutions that exceed their expectations.

Our commitment to quality, innovation, and customer satisfaction has enabled us to build long-lasting relationships with our clients. By choosing Hykon, you're choosing a partner dedicated to building a brighter, more sustainable future.



Our Major Clients

Corporate Customers 0

































Banking, Financial Services & Insurance 0

































Educational Institutions



































Hospitals

















Government

































Public Sector











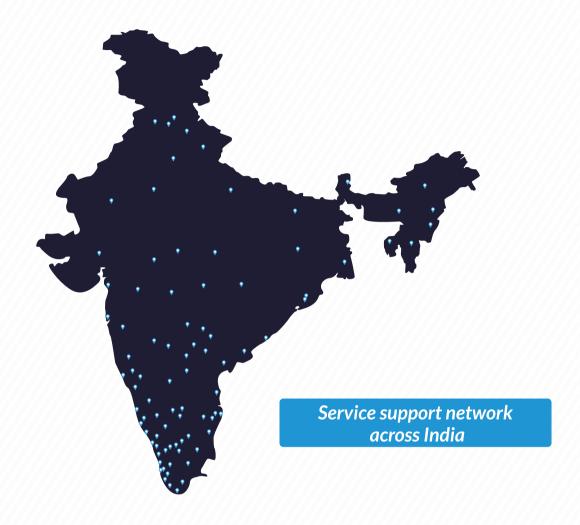






















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