

Q-on P-Series UPS

P-Series Online UPS (6-10kVa)



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The Q-on P-Series is a range of dual online, long run Uninterruptible Power Supply (UPS) systems. Available in 6kVA and 10kVA capacities, with the option of internal batteries on the 6KVA for additional convenience.

The Q-on P-Series with a wide input voltage and adjustable battery number provides flexibility to meet your standby power needs. Let the reliable Q-on P-Series support your business and provide power security when you need it most.

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Q-on P-Series UPS SPECIFICATIONS

- True double-conversion Online UPS
- Output power factor 0.8
- Wide input voltage (110 V – 300 V)
- Generator compatible
- Adjustable battery number
- Adjustable charging current via LCD or software (1A~6A), only 6K/10K
- SNMP Optional Monitoring



Q-on P-Series 6KVA UPS

- Includes 16 × 7.2Ah Internal Batteries



Q-on P-Series 6KVA LONG RUN UPS CONFIGURATION



Q-on P-Series 10KVA LONG RUN UPS CONFIGURATION



Q-on P-Series

TECHNICAL SPECIFICATIONS

MODEL		QSP-1KL-T-192		QSP-2KL-T-192		QSP-3KL-T-192		QSP-6KL-T-192		QSP-10KL-T-192	
PHASE		Single phase with ground									
CAPACITY *		1000 VA / 800 W		2000 VA / 1600 W		3000 VA / 2400 W		6000VA / 4800W		10000 VA / 8000 W	
INPUT											
Nominal Voltage		110/115/120/127VAC or 208/220/230/240VAC						208/220/230/240VAC			
Input Voltage Range		55-150 VAC or 110-300 VAC (Based on load at 50%) 85-140VAC or 160-280VAC (Based on load at 100%)						110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)			
Frequency Range		40 Hz ~ 70 Hz						46~54 Hz or 56~64 Hz			
Power Factor		≧ 0.99 @ Nominall Voltage (100% load)									
OUTPUT											
Output Voltage		110/115/120/127VAC or 208/220/230/240VAC						208/220/230/240VAC			
Voltage Regulation		± 1 %									
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz						46~54 Hz or 56~64 Hz			
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz						50 Hz or 60Hz ± 0.1 Hz			
Current Crest Ratio		3:1									
Harmonic Distortion		≦ 3 % THD (Linear Load) ≦ 6 % THD (Non-linearLoad)						≦ 3 % THD (Linear Load) ≦ 5 % THD (Non-linearLoad)			
Transfer Time	AC Mode to Battery Mode	Zero									
	Inverter to Bypass	4 ms (Typical)						Zero			
Waveform (Batt. Mode)		Pure Sinewave									
EFFICIENCY											
AC Mode		88%		89%		90%		92%		93%	
Battery Mode		83%		87%		88%		90%		91%	
BATTERY											
Standard Model	Battery Type	12 V / 9 Ah		12 V / 9 Ah		12 V / 9 Ah		12 V / 9 Ah			
	Numbers	2		4		6		16	20	16	20
	Typical Recharge Time	4 hours recover to 90% capacity						9 hours recover to 90% capacity			
	Charging Current (max.)	1 A						1 A / 2 A			
	Charging Voltage	27.4VDC ± 1%		54.7 VDC ±1%		82.1 VDC ±1%		218.4 VDC±1%	273VDC ±1%	218.4 VDC±1%	273VDC ±1%
Long-run Model **	Battery Type	Depending on the capacity of external batteries									
	Numbers	2	3	4	6	8	6	8	16 ~ 20 (Adjustable)		
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)						1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)			
	Charging Voltage	27.4VDC±1%	41.0VDC ± 1%	54.7VDC±1%	82.1VDC±1%	109.4VDC±1%	82.1 VDC ±1%	109.4VDC ±1%	273 VDC ±1% (Based on 20pcs batteries)		
INDICATORS											
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators									
ALARM											
Battery Mode		Sounding every 4 seconds									
Low Battery		Sounding every second									
Overload		Sounding twice every second									
Fault		Continuously sounding									
PHYSICAL											
Standard Model	Dimension, D x W x H (mm)	282 x 145 x 220		397 x 145 x 220		421 x 190 x 318		369 x 190 x 688	442 x 190 x 688		
	Net Weight (kgs)	9.8		17		27.6		61	74	66	76
Long-run Model **	Dimension, D x W x H (mm)	282 x 145 x 220		397 x 145 x 220				369 x 190 x 318		442 x 190 x 318	
	Net Weight (kgs)	4.1		6.8		7.4		12		16	
ENVIRONMENT											
Humidity		20-90 % RH @ 0- 40°C (Non-condensing)						0-95% RH @ 0-50°C (non-condensing)		0-95% RH @ 0-40°C (non-condensing)	
Noise Level		Less than 50dB @ 1 Meter						Less than 55dB @ 1 Meter		Less than 58dB @ 1 Meter	
MANAGEMENT											
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC									
Optional SNMP		Power management from SNMP manager and web browser									

*1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 208VAC.

6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC.

**Long-run model is only available for 208/220/230/240VAC systems .

Product specifications are subject to change without further notice.