Q-on S Series 1 & 3KVA UPS

Data Sheet

Key Features

- True double-conversion
- Output power factor 1
- Built-in 2.8" touch LCD for comprehensive UPS status
- Output voltage regulation < 1%
- 50Hz/60Hz frequency converter mode
- Programmable power management outlets
- Hot swappable battery design
- ECO mode energy saving
- Provides over voltage cut-off protection and surge immunity by MOV for full time equipment protection
- High power factor charger up to 8A/12A capacity with very low ripple current when charging battery
- Low input THDi to reduce power system pollution
- Adjustable charging current via LCD panel
- Optional HID Power Device USB Port
- Rack/Tower configuration



powermode

www.powermode.co.za
power@powermode.co.za
011-235-7750

Johannesburg
8 Ranworth Crescent,
Modderfontein,
Longlake, Ext 23,
1645

Durban
89 Watsonia Road,
Bluff, Durban,
4052

Cape Town
11 Platinum Crescent,
Unit 1, Iberica Park,
Milnerton,
7441

East London
50 Riverwood,
Eco Estate,
Willow Park,
5201

MODEL	1KVA		1.5KVA	2KVA		3KVA
Phase	Single phase with ground					
Capacity	1 000w		1 500w	2 000w		3 000w
INPUT						
Nominal Voltage	100/110/115/120/127 VAC or 200/208/220/230/240 VAC					
Voltage Range	55-150 VAC ± 5% or 110-300 VAC ± 5% @ 50% load 80-150 VAC ± 5% or 160-300 VAC ± 5% @ 100% load					
Frequency Range	40 Hz ~ 70 Hz					
Power Factor	≧ 0.99 @ nominal voltage (100% load)					
Harmonic Distortion (THDi)	≦ 5% @ nominal input voltage					
OUTPUT						
Output Voltage	100*/110*/115*/120/127 VAC or 200*/208*/220/230/240 VAC					
AC Voltage Regulation (Batt. Mode)	± 1%					
Frequency Range (Sychronized Range)	57 ~ 63 Hz or 47 ~ 53 Hz					
Frequency Range (Batt. Mode)	60Hz ± 0.1Hz or 50 Hz ± 0.1Hz					
Current Crest Ratio	3:1 (max.)					
Harmonic Distortion	≦2 % THD (Linear Load) ; ≦ 4 % THD (Non-linear Load)					
Transfer Time AC Mode to Batt. Mode	Zero					
Transfer Time Inverter to Bypass	4 ms (Typical)					
Waveform (Batt. Mode)	Pure Sinewave					
EFFICIENCY						
AC Mode	≧89% @ full charged battery			≧ 91% @ full charged battery		
Eco Mode	≧ 96% @ full charged battery					
Battery Mode	≧ 88%			≧ 90%		
BATTERY						
Battery Type	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
Number	2	3	3	4	6	6
Typical Recharge Time	3 hours recover to 95% capacity for internal battery @ 2A charging current					
Charging Current	100/110/115/120 /127 VAC models: default 2A, max. 8A adjustable 200/208/220/230/240 VAC models: default 2A, max. 12A adjustable				Default: 2A, Max: 8A adjustable	
Charging Voltage	27.4 VDC ±	41.1 VDC ±	41.1 VDC ± 1%	54.8 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%
ALARM						
Battery Mode	Sounding every 5 seconds					
Low Battery	Sounding every 2 seconds					
Overload	Sounding every second					
Fault	Continuously sounding					
PHYSICAL						
Dimension D x W x H (mm)	410 x 438 x 88		410 x 438 x 88	510 x 438 x 88	630 x 438 x 88	630 x 438 x 88
Net Weight (Without Battery) (KGs)	6.6	7.8	8.1	9.4	10.6	12.4
Net Weight (W/Built-in Battery) (KGs)	11.6	14.1	15.5	19.5	23.3	27.5
ENVIRONMENT						
Humidity	20-90 % RH @ 0- 40°C (non-condensing)					
Noise Level	Less than 50dB @ 1 Meter			Less than 55dB @ 1 Meter		
MANAGMENT						
Smart RS-232/USB	Supports Windows® Family, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					
STANDARD						
EMC/Safety	cTUVus (comply to UL1778), Fcc (1-1.5K Class B, 2-3K Class A)					

*Derate capacity to 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC.
Product specifications are subject to change without further notice