

SPECIFICATIONS

Extra Smart Series, Long-run 6KVA

General Features:

- Smart backup time estimation (EBT system)
- Adjustable voltage sensitivity, voltage-transfer points, & charging voltage.
- Generator compatible
- Automatic restart of load after shutdown
- Smart AVR function (Four buck / boost modes)
- Cold-start capable & Audible alarm
- EPO available
- Hot-swappable batteries
- Network manageable (Internal SNMP slot ready)
- Full function of LCD display
- Smart battery management and charging control
- Multi-outputs control by software



Output

	115V Model	230V Model
Power Levels crated at nominal inputs	6KVA / 4000W	
Output Voltage	100V/110V/115V/120V Selectable	200V/220V/230V/240V Selectable
Voltage Waveform	Sine wave	
Crest Factor	3 : 1	
Output Frequency (Synchronized to Mains)	Auto Select for 50/60Hz 47Hz ~ 55Hz for 50Hz nominal; 56Hz ~ 65Hz for 60Hz nominal	
Regulation	5% of nominal voltage	
Transfer time	Blackout 3ms typical; Brownout 1ms; Battery mode to Normal mode : 1ms typical	
Over current protection	Over load alarm level 100% ~ 120%, Over load shutdown level 120% ~ 130%	

Input

	115V Model	230V Model
Nominal Voltage	100V/110V/115V/120V Selectable	200V/220V/230V/240V Selectable
Input Frequency	47Hz ~ 65Hz, 50/60Hz auto-sensing	
Efficiency	97% (Normal mode)	
Noise Filtering	Full time EMI/RFI filtering	

Over current protection	By re-settable over current protector	
Voltage Range	-24% ~ +26% for selected nominal voltage.	
Surge Protection	660 Joules	1320 Joules
☐ Battery		
Suggested Battery type	Maintenance-free sealed, valve-regulated, Lead-Acid 50Ah~500Ah	
Voltage	60Vdc (Optional 48Vdc)	
Maximum backup time at battery mode (Limited by over temperature protection)	6000W : 20minutes 5000W : 40minutes 4500W : 80minutes Under 4000W : backup time is limited by battery	
Charging method	Smart pulse charging with two charging modes : Quick charging when battery is not fully charged, trickle charging when battery is 90% fully charged.	
Charging time	Depends on battery size.	
Charging current	35A maximum	
Average charging voltage for each battery	Quick charging mode : 14V maximum. Trickle charging mode : 13.2V ~13.9V adjustable with the remote set-up software.	
Protection	Over current protection & Over charging voltage protection (SCR control) Thermal protection (CPU control) : When temperature inside UPS is over 45°C, charger will stop charging for 2.5 minutes followed by an 1.5 minutes charging. The cycle will be repeated until the temperature is lower than 44°C.	
Monitoring	Smart monitoring & warning for failed battery or open-circuit battery. Auto-detection each time when power on or every 6 days.	
☐ Communications & Management		
Standard Interface port	UPSilon2000 compatible, RS232, USB, & SNMP slot; optional for RJ45.	
Optional Interface port	DB9/Remote Control LCD port	
Control panel	LCD	
Audible alarm	Alarm on battery : Low battery & Battery over voltage Alarm on abnormal operation : Over load, Short-circuit, & Over heat	
EBT (Estimation of Backup Time) system	Supported for main LCD display	
☐ Environmental and Safety		
Operating Temp.	Up to 1500 meters : 0°C to 40°C (32°F to 104°F)	

Transit/storage Temp.	-15°C to 55°C (5°F to 131°F)
Relative Humidity	5 - 95% non condensing
Operating Altitude	0 ~ 3000 meters
Audible noise	≤45 dBA (at 1M from surface of unit)
Safety Markings	CE
EMC	Class A, EN62040-2
Quality control system	ISO 9001
☐ Physical	
Dimensions: (D×H×W) Unit / Shipping	51 x 35 x 20 (cm) / 63 x 45 x 32 (cm)
Weight: Net / Gross (kg)	55 (kg) / 58 (kg)