HYUNDAI ONLINE UPS

1 PHASE 3KVA TOWER

DATASHEET

MODEL	HD-3KTH
Capacity	3000VA/2700W
Technology	Online double conversion, Tower type
INPUT	
Rated Voltage	Single phase 208/220/230/240VAC
Voltage range	110 ~ 300Vac
Frequency range	40~70 Hz; 50-60Hz(auto-sensing)
Power factor	≥ 0.99
Cold start	Yes
Bypass voltage range	-25% ~ + 15% (settable)
Socket	C14/C19/C20
OUTPUT	
Waveform	Pure sine wave
Voltage	208/220/230/240 Vac ± 1% (Settable via LCD)
Frequency range	50/60 (synchronized range with mains input); ±0.05Hz (battery mode)
Power factor	0.9
Crest factor	3:1
THDv	< 2% (linear load)
Transfer time	0ms(Mains mode to battery mode)
Outlet	C13/ Uni/Ter
Inverter overload capability	105% ~ 130% load: transfer to bypass in 1 min
Efficiency	Line mode	90%
	ECO mode	98%
BATTERIES	
Battery type	VRLA, Sealed lead-acid, maintenance free battery; Battery life ≥3 years.
Inbuilt battery	12V/9Ah * 6 pieces
DC voltage	72VDC
Backup time	≥8mins at 60% load

	5-6 mins at 100% load
Ability of extension	4 Cabinet Battery 6*9AH(optional)
Recharge time	90% capacity restored in 5 hours
Charging current(Max.)	1A
Battery test	Automatic battery test/ quick test/ battery capacity test
Battery informations	Indicates BAT level by 0-24%;25-49%;50-74%; and 75-100% in BAT mode and charging status in line mode

SYSTEMS and COMMUNICATIONS	
LCD Display	Operation/ Load/ Battery/ Input/ Output/ Bypass/ Frequency/Fault
Overload protection	Over-temp protection; Fan testing protection; Overload protection; Output short circuit protection; Battery discharge protection
Alarms	Battery mode, battery voltage low, fans fault etc..
Control	By micro processor
Communincation	RS232/USB-with management software
	RS232 with UPS managements program via RS232 computer connection protocol. Remote monitoring and control with software. Auto shutdown or control PC/server before UPS stops working
	EPO(Emergency Power Off)/Intelligent slot(SNMP Network Management Protocol)
	Optional: USB/ SNMP card(NMC Card)/CMC (Centralized monitoring card)/ RS485 based Modbus protocol monitoring/AS400 Card

ENVIRONMENT	
Humidity	0 ~ 95 % RH (non-condensing)
Temperature	0°C ~ 40°C; Storage temperature: -25°C ~ 55°C (exclude batteries)
Altitude	≤ 1000m, derating 1% for each addition 100m
IP level	IP20
Noise	<50dB at 1m

PHYSICAL	
Dimensions (mm) W × D × H	190*318*368
Net weight (kg)	23.3
Accessories	User manual/ input power cord, RS232 cable

Rear panel features (*can change the position of the connection port or the type of socket)*

EPO/ROO

RS232

USB

Input
Circuit
Breaker

AC Mains
Input Terminal
Block

Intelligent
Card Slot

External
Battery
Connector
（Optional）

Outlet

Output
Terminal
Block