

# HYUNDAI ONLINE UPS

1 PHASE 3KVA TOWER

## DATASHEET

MODEL	HD-3KTH	
Capacity	3000VA/2700W	
Technology	Online double conversion, Tower type	
<b>INPUT</b>		
Rated Voltage	Single phase 208/220/230/240VAC	
Voltage range	110 ~ 300Vac	
Frequency range	40~70 Hz; 50-60Hz( auto-sensing)	
Power factor	> 0.9	
Cold start	Yes	
Bypass voltage range	-25% ~ + 15% (settable)	
Socket	C14/C19/C20	
<b>OUTPUT</b>		
Waveform	Pure sine wave	
Voltage	208/220/230/240 Vac $\pm$ 1% (Settable via LCD)	
Frequency range	50/60 (synchronized range with mains input); $\pm$ 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%
<b>BATTERIES</b>		
Battery type	VRLA, Sealed lead-acid, maintenance free battery; Battery life $\geq$ 3 years.	
Inbuilt battery	12V/9Ah * 6 pieces	
DC voltage	72VDC	
Backup time	$\geq$ 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
<b>SYSTEMS and COMMUNICATIONS</b>	
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
Communication	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
<b>ENVIRONMENT</b>	
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
<b>PHYSICAL</b>	
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)

