storage3

HHT

5-15KT
THREE PHASE HYBRID



- Peak Efficiency 98.2 %
- Max. DC Overload 200 %
- Aluminum Alloy Die Casting
- MES + FCT + CRM Infrastructure
- Easy to Install and Service
- Energy Management

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HHT

MODEL	HHT-5KT	HHT-6KT	HHT-8KT	HHT-10KT	HHT-12KT	HHT-15KT
PV INPUT DATA						
Max. PV power / W	10000	12000	16000	20000	24000	30000
Max. input voltage / V	1000					
Min. DC voltage/Start up voltage / V	100/145					
Nominal input voltage / V	620					
MPP voltage range / V	150-900					
Max. input current / A	20/20/20					
Max. short current / A	30/30/30					
No. of MPP trackers	3					
No. strings per MPP tracker	1/1/1					
AC OUTPUT / INPUT DATA						
Rated AC power / W	5000	6000	8000	10000	12000	15000
Max. apparent AC power / VA	5500	6600	8800	11000	13200	16500
Rated active power from grid / W	10000	12000	16000	20000	24000	30000
Max. apparent AC power from grid / VA	10000	12000	16000	20000	24000	30000
Rated grid voltage(AC voltage range) / V	380/400 , 3W/N/PE					
Rated grid frequency / Hz	50/60					
Max. AC output current / A	8.5	10.0	13.5	16.0	20.0	25.5
Max. AC current from grid / A	17.0	20.0	23.0	29.0	35.0	43.5
Displacement power factor	0.8 leading - 0.8 lagging					
Total harmonic distortion(THDi, rated power)	<3%					
Grid connection	3L/N/PE					
EFFICIENCY						
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Max. efficiency	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%
Euro efficiency	97.3%	97.3%	97.4%	97.4%	97.4%	97.4%
Charged efficiency@PV-battery	98.5%	98.5%	98.5%	98.5%	98.5%	98.5%
Charged/discharged efficiency@battery <->grid/load	97.6%	97.6%	97.6%	97.6%	97.6%	97.6%
AC OUTPUT DATA (BACK-UP)						
Norminal AC output power / W	5000	6000	8000	10000	12000	15000
Peak apparent output power / VA @ 10S	10000	12000	16000	20000	24000	30000
Nominal output voltage / V	380/400					
Nominal output frequency / Hz	50/60					
Max. output current /A	8.5	10.0	13.5	16.0	20.0	25.5
Peak output current /A	17.0	20.0	23.0	29.0	35.0	43.5
Switch time / ms	<10					
THDV(@line load)	<3%					
AC INPUT DATA (Generator)						
Max. input power /W	5000	6000	8000	10000	12000	15000
Rated input current /A	8.5	10.0	13.5	16.0	20.0	25.5
Rated input frequency /Hz	50/60					

GENERAL DATA	
Dimensions(W*H*D) / mm	547*418*183
Weight / kg	28
Noise emission / dBA	45
User Interface	LED/LCD
DC connection type for PV	MC4/D4
Battery connection type	Plug-in
AC connection type	Plug-in Connector
Communication with cloud	WiFi/4G/LAN(Opt)
Communication with BMS	CAN/RS485
Communication with CT / Meter	RS485
Cooling method	Natural
Operating ambient temperature range / °C	-30 ~ +60
Allowable relative humidity range / %	0 ~ 100
Max. operating altitude / m	3000 (>2000 derating)
Degree of protection	IP66
Topology	Non-isolated
Power consumption at night / W	<13

BATTERY INPUT DATA	
Battery type	Lithium
Input voltage range / V	160-800
Max. charging/discharging current / A	50/50

PROTECTION FUNCTION	
Anti-islanding protection	Integrated
Battery reverse protection	Integrated
PV string input reverse polarity protection	Integrated
Insulation resistor detection	Integrated
Residual current monitoring unit	Integrated
Output over current protection	Integrated
Output short protection	Integrated
Over voltage protection	Integrated
Surge protection	DC Type II, AC Type II
AFCI	Integrated