VEICHI

VHT-30K-100-H
VHT-50K-100-H

Features

- 110% unbalanced output enhances self-consunption
- 100A charging/discharging for efficiency energy transfer
- Continuous 110% AC overloading sustains power
- Starts at 135V for more generation time
- Max.10 pcs parallel for on-grid operation and max.4 pcs parallel for off grid operation
- 120% max backup @60s handles overloads
- IP65 protects both indoors and outdoors
- Supports diesel generators for diverse energy sourcing

Technical Specifications

Model		VHT-30K-100-H	VHT-50K-100-H
PV Input			
Recommended Max.input power	(kW)	45	75
Start-up voltage	(V)	135	
Max.DC input voltage*	(V)	1000	
Rated DC input voltage	(V)	620	
MPPT voltage range*	(V)	200-850	
No.of MPP trackers		4	
No.of DC inputs per MPPT		2+2+2+2	
Max.input current	(A)	30x4	
Max.short-circuit current	(A)	40x4	
Battery Side			
Battery type		Lithium Battery	
Battery voltage range	[V]	135-750	
Max. charging/discharge current	[A]	100	
List of compatible batteries		VEICHI, Deye, Goodwe, Must, SRNE, Felicity, etc. For more details, please visit veichi.com	
Grid Side			
Rated output power	(kW)	30	50
Max.output apparent power	(kVA)	33	55
Max.input apparent power**	(kVA)	36	60
Max.charging power of battery	(kW)	30	50
Rated AC voltage		220/380, 230/400, 240/415	
Rated AC frequency	(Hz)	50/60	
Max.output current	(A)	50	83
Power factor		0.8 leading ~ 0.8 lagging	
Max.total harmonic distortion		<3%	
Back-up Side			
Rated output power	(kW)	30	50
Max.output apparent power	(kVA)	33	55
Max.output current	(A)	50	83
UPS switching time	ms	<20	
Rated output voltage		3L/N/PE;220/380V;230/400V;240/415V	
Rated output frequency	(Hz)	50/60	
Voltage harmonic distortion		<3%	
Efficiency			
Max.efficiency		98.8%	
European efficiency		98.3%	
Protection			
DC reverse polarity protection		Integration	
Battery input reverse connection protection		Integration	
Insulation resistance protection		Integration	
Surge protection		Integration	
Over-temperature protection		Integration	
Residual current protection		Integration	
Islanding protection		Integration	
AC over-voltage protection		Integration	
Overload protection		Integration	
AC short-circuit protection		Integration	
Over voltage category		PV: II Main: III	PV: II Main: III
General Data			
Dimensions(W×H×Dmm)		800×620×300	
Weight	(kg)	72	
Protection degree		IP65	
Standby self-consumption	(W)	<15	
Topology		Transformerless	
Operating temperature range	(℃)	-30~+60	
Relative humidity	(%)	0~100	
Operating altitude	(m)	3000 (>3000m derating)	
Cooling		Smart fan	
Noise Level	(dB)	<50	
Display		CAN,RS485,WiFi/LAN	
Communication		USB/RS232/RS485/WIFI/CAN	