

VEICHI

VHT-8K/10K/12K-25-H VHT-10K/12K/15L/20K-40-H



Features

- 150%DC oversizing boosts solar capture
- Maximum 40A charging and discharging
- Wide 135-750V range fits diverse batteries
- 10msupS-level switch secures supply
- 200% max backup @10s handles overloads
- IP65 protects both indoors and outdoors
- Silent 25dB operation for comfort

Model	VHT-8K-25-H	VHT-10K-25-H	VHT-12K-25-H	VHT-10K-40-H	VHT-12K-40-H	VHT-15K-40-H	VHT-20K-40-H
PV Input							
Recommended Max.input power	12	15	18	15	18	22.5	30
Start-up voltage	135						
Max.DC input voltage	1000						
Rated DC input voltage	620						
MPPT voltage range	200-950						
No.of MPP trackers	2						
No.of DC inputs per MPPT	1+1			2+2			
Max.input current	15/15			30/30			
Max.short-circuit current	20/20			40/40			
Battery Side							
Battery type	Lithium Battery						
Battery voltage range	135-750						
Max. charging/discharge current [A]	25			40			
List of compatible batteries	VEICHI, Deye, Goodwe, Must, SRNE, Felicity, etc. For more details, please visit veichi.com						
Grid Side							
Rated output power	8	10	12	10	12	15	20
Max.output apparent power	8.8	11	13.2	11	13.2	16.5	22
Max.input apparent power	16	16.5	16.5	20	24	30	30
Max.charging power of battery	8	10	12	10	12	15	20
Rated AC voltage	220/380, 230/400, 240/415						
Rated AC frequency	50/60						
Max.output current	13.3	16.5	20	16.5	20	25	33.5
Power factor	0.8 leading ~ 0.8lagging						
Max.total harmonic distortion	<3%						
Back-up Side							
Rated output power	8	10	12	10	12	15	20
Max.output apparent power(kVA)	8.8	11	13.2	11	13.2	16.5	22
Max.output current	13.3	16.5	20	16.5	20	25	33.5
UPS switching timems	<10						
Rated output voltage	3L/N/PE;220/380V;230/400V;240/415V						
Rated output frequency	50/60						
Voltage harmonic distortion	<3%						
Efficiency							
Max.efficiency	98.2%			98.4%			
European efficiency	97.4%			97.5%			
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						
General Data							
Dimensions(W×H×Dmm)	534×418×210						
Weight (kg)	26			28		31	
Protection degree	IP65						
Standby self-consumption	<15						
Topology	Transformerless						
Operating temperature range (°C)	-35~+60						
Relative humidity	0~100						
Operating altitude	3000 (>3000m derating)						
Cooling	Natural Convection			Smart fan			
Noise level	<25			<40			
Display	OLED & LED						
Communication	CAN,RS485,WiFi/LAN						