





Force HT Pro Series Three Phase Hybrid Inverters

15kW ~ 30kW





The Energizer® Force HT Plus Series hybrid inverter range offers advanced features and is compatible with high-voltage batteries. With the hybrid inverter range, your able to expand your solar system by adding extra batteries.

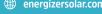
There are 6 inverter size options and it can connect to our EnergiStack HV Stackable Battery with up to seven battery modules connected in series, allowing for flexible storage capacity.

High Performance Three Phase Hybrid Inverters

- Three MPPT design with precise MPPT algorithm
- 97.80% maximum efficiency
- IP65 rated
- **Optional export control**
- Compact & sleek design
- RS485, Wi-Fi, LAN, GPRS (optional) communications
- Wide voltage range/low start-up voltage
- Android and iPhone apps available
- 10 years warranty



















MODEL INPUT PV INPUT	Force 15.0HT	Force 20.0HT	Force 24.9HT Force 25.0HT	Force 29.9HT	Force 30.0HT
lax. Recommended DC Power [W]	7500	10000	12500 12500	15000	15000
fax. DC Voltage [V]			1000		
orminal DC Operating Voltage [V]			750		
ax. Input Current [A]			32		
ax. Short Circuit Current [A]			40		
PPT Voltage Range [V]			150 ~ 850		
PPT Voltage Range [V] (Full Load)	170 ~ 850	230 ~ 850	280 ~ 850 280 ~ 850	340 ~ 850	340 ~ 850
art-up Voltage [V] b. of MPP Trackers			160 3		
rings per MPP Tracker			2/2/2		
lax. Inverter Backfeed Current to the Array			0		
ATTERY					
attery Type			Lithium Battery		
attery Voltage [V]			150 ~ 800		
ull AC Load Battery Voltage [V]	160 ~ 790	220 ~ 790	270 ~ 790 270 ~ 790	330 ~ 790	330 ~ 790
ax. Charge/Discharge Current [A]			50+50		
umber of Battery Inputs			2		
ommunication Interface			CAN		
COUTPUT					
ominal AC Power [VA]	15000	20000	24900 25000	29900	30000
lax. Apparent AC Power [VA]	16500	22000	24900 27500	29900	33000
ated Grid Voltage (AC Voltage Range)[VAC]			400 / 230 ; 380 / 220 , 3L / N / PE		
ated Grid Frequency [Hz] lax. AC Current [A] (per phase)	25.0	33.3	50 / 60 ±5 37.7 41.7	45.4	50.0
ax. Ac current (A) (per priase) ower Factor	23.0	د.دد	1 (Adjustable from 0.8 Leading to 0.8 Lagging)	43,4	50.0
xport Control			Yes		
HDi (%)			<3 @Rated Power		
C INPUT					
1ax. AC Power [VA]	22500	30000	35000 35000	35000	35000
Rated Grid Voltage (AC Voltage Range) [V]			400 / 230 ; 380 / 220 , 3L / N / PE		
Rated Grid Frequency [Hz]			50 / 60 ±5		
fax. AC Current [A] (Per Phase)	34.1	45.5	53.0 53.0	53.0	53.0
ower Factor			1 (Adjustable from 0.8 Leading to 0.8 Lagging)		
PS OUTPUT					
fax. Apparent AC Power [VA]	15000	20000	25000 25000	30000	30000
eak Apparent AC Power [VA] (60s)	18000	24000	30000 30000	36000	36000
ated Output Voltage [V] ated Grid Frequency [Hz]			400 / 230 ; 380 / 220 , 3L / N / PE 50 / 60		
PS Max. Current [A] (Per Phase)	22.7	30.3	37.9 37.9	45.5	45.5
ower Factor	22.1	30.3	1(Adjustable from 0.8 Leading to 0.8 Lagging)	43.3	43.3
arallel Operation			Yes @Max10PCS		
witch Time [ms]			<20		
HDV [%]			<3 @Rated Power		
FFICIENCY					
1PPT Efficiency [%]			99.90%		
fax. Efficiency [%]			97.80%		
1ax. Battery to AC Efficiency [%]			97.60%		
Max. PV to Battery Efficiency [%]	07.200/	1	98.10%		
uro-Efficiency [%] PROTECTION	97.30%		97.40%		
V Reverse Polarity Protection			YES		
lattery Reverse Protection			YES		
nti-Islanding Protection			YES		
utput Short Protection			YES		
eakage Current Protection			YES		
nsulation Resistor Detection			YES		
ver Voltage Category			III(AC side), II(DC side)		
everse Connect Protection			YES		
ver-Current Protection/Over-Temperature Protection DC/AC Surge Protection			YES		
C/DC Surge Protection			Type II		
FCI Protection			Optional		
C Switch tring Monitoring Function			Optional Optional		
ENERAL DATA			Ориопа		
imension (W*H*D) [mm]			600*560*225		
imension of Packing (W*H*D) [mm]			720*680*370		
et Weight [kg]			52.5		
ross Weight [kg]			57.5		
stallation			Wall-mounted		
perating Temperature Range [°C]			-25 ~ +60 (Derating at 45)		
torage Temperature [°C]			-40 ~ +70		
Ititude [m]	<45	<45	<60 <60	<60	<60
torage/Operation Relative Humidity [%]			0 ~ 95 (Without Condensation)		
Ititude [m] rotective Class			<4000		
rotective class Igress Protection			I IP65 (for Outdoor Use)		
gress Protection andby Consumption [W]			200 for Hot Standby , 18 for Cold Standby		
lle Mode			YES		
poling			Smart FAN Cooling		
overter Topology			Non-isolated		
ommunication Interface			Meter, WIFI, 4G(optional), DRM, USB, BMS(CAN), RS485		
CD Display			Backlight 16*4 Character		
utton			Capacitive Touch Sensor *4		
uzzer			1, Inside (EPS&Earth Fault)		
TANDARD COMPLIANCE					
			EN 62109-1, EN 62109-2		
ofety 4C			IEC 61000-6-2, IEC 61000-6-3		