



Photovoltaic System

HYPVS



Excellent Product Certificate
Renewable Energy Certificate
K Mark Certificate
Q Mark Certificate



www.hyele.co.kr





[11~36kW]



[41~51kW]



[76~100kW]

Characteristics

- Grid tied Transformer type
- 2 MPPT topology (Wide MPPT range)
- High Euro efficiency
- Low THDi
- DC ground fault detection
- Minimize inrush current when grid connected
- Capable stand alone operation
- 3Φ3W, 3Φ4W output selectable without any operation



Specification

Item	Specification		
Rated power(kW)	11, 16, 21, 26, 31, 36	41, 46, 51	76,100
Max DC input voltage(V)	875		
MPPT voltage range(V)	250~750		
Output voltage(V)	3W+N+PE 380-220Vac		
Euro efficiency(%)	≥ 93,5	≥ 95	
THD(%)	≤ 3		
Operation Temp(°C)	-20 ~ 50		
Communication	RS-485 Modbus		



[3.1kW]



[11~31kW]



[41~51kW]

Characteristics

- Grid tied Transformerless type
- Wide MPPT voltage range
- High Euro efficiency
- Low THDi
- DC ground fault detection
- Minimize inrush current when grid connected
- Capable stand alone operation



Specification

Item	Specification				
Rated power(kW)	3.1	11,16,21	26,31,36	41,46,51	76,100
Max DC input voltage(V)	500	875			
MPPT voltage range(V)	100~450	250~750			
Output voltage(V)	220	3W+N+PE 380-220Vac			
Euro efficiency(%)	≥ 96				
THD(%)	≤ 3				
Operation Temp(℃)	-20 ~ 50 ℃				
Communication	RS-485 Modbus				



[12~20kW]



[33~40kW]

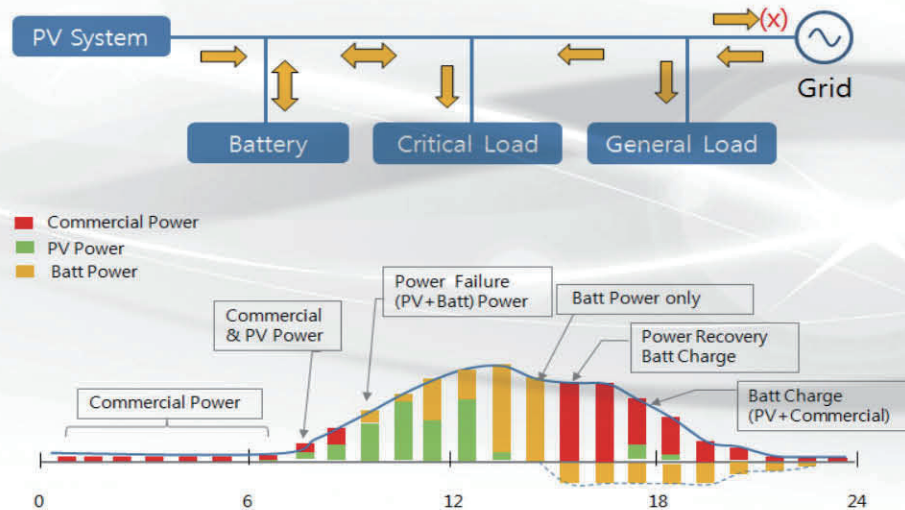
Characteristics

- DC input voltage up to 1,000V
- Maximum efficiency of 98 %
- Internal DC switch
- Transformerless
- Compact design
- Multi MPP controller
- Easy installation
- IP 65
- Wall mount typ



Specification

Item	Specification			
Rated power(kW)	12	20	33	40
Max DC input voltage(V)	1,000Vdc			
MPPT voltage range(V)	450~800Vdc			
Output voltage(V)	3W+N+PE 380Vac			
Euro efficiency(%)	≥ 97 %		≥ 98 %	
THD (%)	≤ 3 %			
Operation Temp(℃)	-25~60℃			
Communication	RS-485 Modbus, WIFI(option)			



Characteristics

- Renewable energy input type(photovoltaic etc.)
- Grid tied & Stand alone (UPS) function
- Include Power Management System
- Peak power shaving (Digital power control)
- Long time backup
- Monitoring and control via Energy Management System



Specification

Item	Specification
Rated power(kW)	3.1kW
Rated voltage	1Φ 220V 50/60Hz
Max charge voltage/current./capacity	56.5V/ 90,A/ 3.1kW
Max PV Input voltage./capacity	500V/3kW
MPPT voltage range	100~450V
Euro efficiency (Batt to Load)	≥ 93%
Transfer time(Grid to Inverter)	≤ 4ms

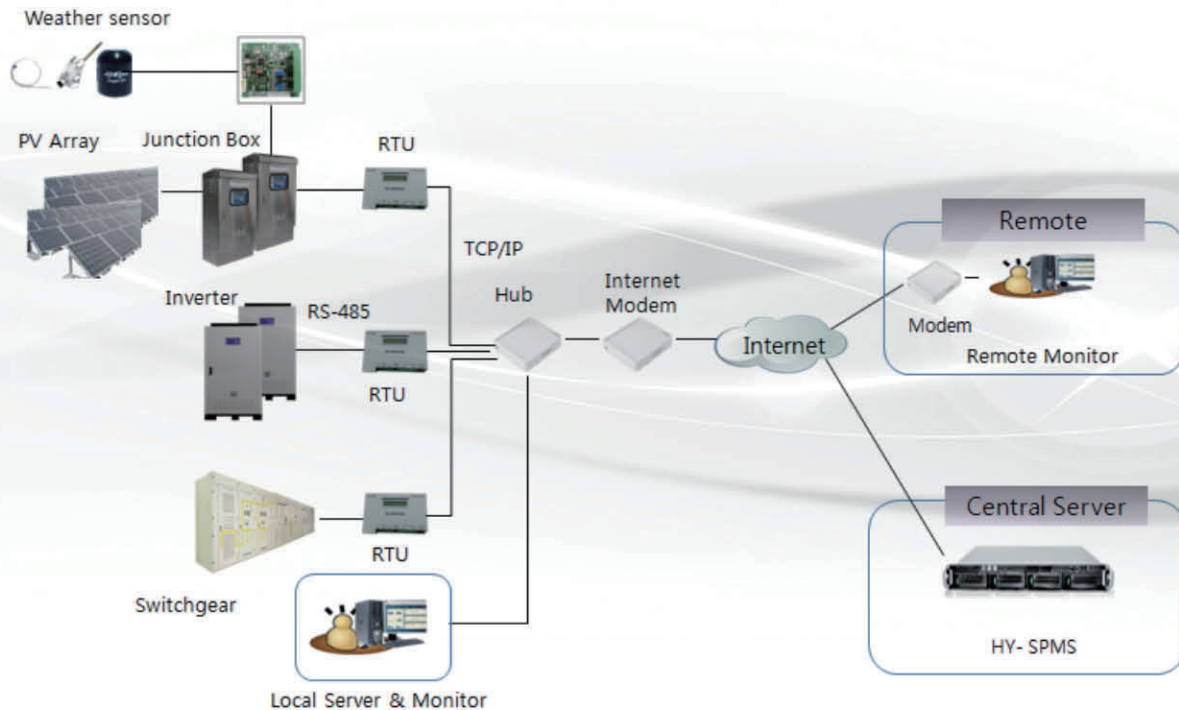


♣ It can be used during blackout as follows:

Item	Average power consumption (W)	Q'ty	Hours of use	Total (kwh)
 Television	100	1	12	1.2
 Fridge(160L)	50	1	24	1.2
 LED lamp	20	3	12	0.72
 Electric fan	30	1	12	0.36
Air conditioner	660	1	6	3.96
Total	900			7.4

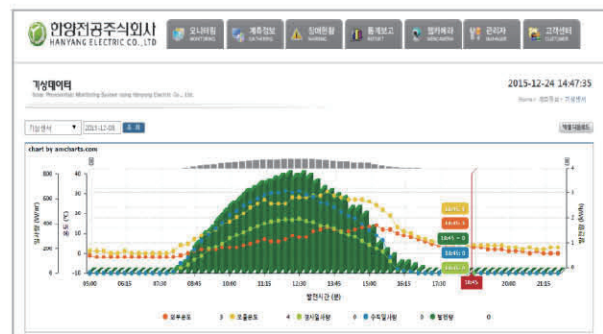
※ Note

- 1) Total energy usage depends on load and usage time.
- 2) Depth of discharge (DOD%) of battery is 80%.



Characteristics

- Real time monitoring for PV Array, Junction Box and Inverter
- Variety statistics and analysis
- Web and Local monitoring
- Switchgear monitoring function
- Web camera (option)
- Display panel (option)



Specification

Item	Specifcarion
Server	2.7GHz
OS	Windows7
Memory	6GB
HDD	500GB
Monitor	LED 22"
RTU	RS485 to Ethernet



[Communication type]



[General type]



[Household]

Characteristics

- PV array surveillance and management
- All isolation structure
- 4CH expansion unit (Max 32CH)
- Include weather sensor module
- Varsity alarm detection
- Flame retardant material Fuse holder (Fire prevention)
- IP44 (Outdoor)



Specification

Item		Specification
Electrical Characteristics	Max Input voltage	1,000V
	Protection Fuse	15A (with Fuse holder)
	Max Measurement	32 ch
	Alarm detection	String voltage & current, Heatsink Temp OV,OC, Fuse open, Comm error
Environment Characteristics	Enclosures	SUS304/ Steel
	Protection	IP44 (Option IP65)
	Operation Temp	-20~60℃
Communication		RS-485 Modbus

Medium Voltage Switchgear
Up to 24kV



Medium Voltage Switchgear
Up to 7.2kV



Low Voltage Switchgear
Up to 600V



Motor Control Center
Up to 600V

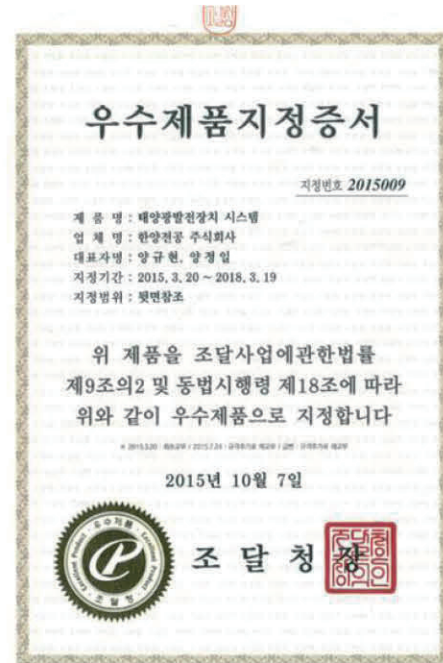
● Excellent Product Certificate for Switchgear



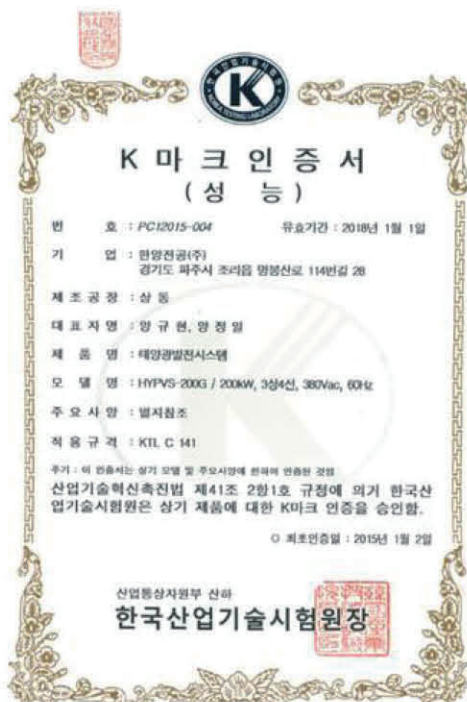
● K Mark Certificate for Switchgear



• Excellent Product Certificate for PV Generation System



• K Mark Certificate by KTL



• Q Mark Certificate by KTC





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