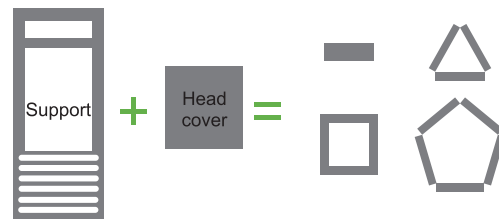


CPS Matrix



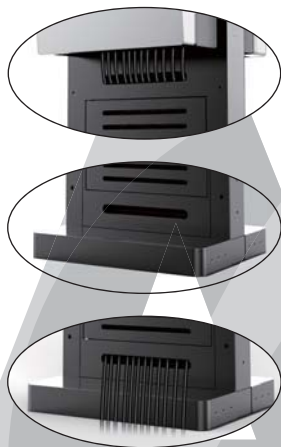
- Unique and fashion modular bracket design, flexible assembly
- Small area occupation, no extra support needed
- Convenient cable assembly management function
- User-friendly door-open and security design
- Easy and convenient installation and maintenance
- Fitting indoor and outdoor applications
- Compatible with 1.5kW to 20kW inverters



CPS Matrix provides customers various installation solutions, especially when proper wall surface or supporting point is not available, such as outdoor, open area, unqualified hanging conditions and etc.

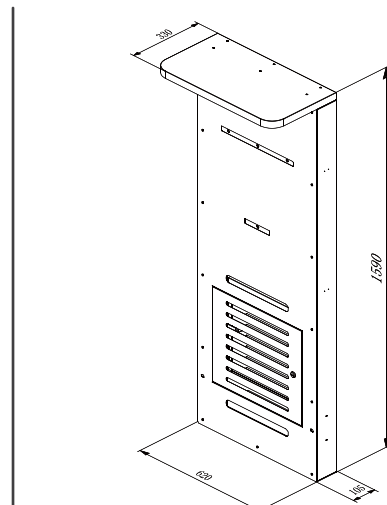
Adopting a unique and fashion modular design, the bracket system allows flexible assembly and modular extension to fit the applications. Meanwhile, professional industrial design, convenient cable assembly management function, heat dissipation consideration and door-open design make installation and maintenance easy and convenient.

Wiring schematic diagram



- **Cable assembly input**
Cable assembly enters Matrix interior through the upper window
- **Cable assembly output 1**
Cable assembly enters ground wiring slot from bracket interior when ground wiring slot is available (full veil)
- **Cable assembly output 2**
Cable assembly releases from lower window of Matrix when ground wiring slot is not available (half veil)

Bracket Module Dimension (mm)



Technical system parameters (configuration example: CPS SC20KTL)

	CPS Matrix-1	CPS Matrix-2	CPS Matrix-3	CPS Matrix-4	CPS Matrix-5
Inverter Quantity	1	2	3	4	5
Inverter Types	1.5KTL / 2.0KTL / 2.8KTL / 4.0KTL / 4.0KTL-O / 4.6KTL-O / 10KTL-O / 20KTL-O				
DC Input					
Max. DC Voltage*	850Vdc				
MPPT Voltage Range	430~800Vdc				
Max. DC Power	22kWp×1	22kWp×2	22kWp×3	22kWp×4	22kWp×5
Max. Input Current	42A×1	42A×2	42A×3	42A×4	42A×5
Max. Number of Strings	5×1	5×2	5×3	5×4	5×5
AC Output					
Output Power	20kW×1	20kW×2	20kW×3	20kW×4	20kW×5
Nominal Output Voltage	400Vac, 3 phase				
Grid Voltage	320~460Vac				
Normal Grid Frequency	50Hz				
System					
Max. Efficiency	98%				
Euro Efficiency	97.5%				
Protection Degree	IP65				
Stand-by Consumption	<20W×1	<20W×2	<20W×3	<20W×4	<20W×5
Operating Temperature Range	-20°C~+65°C				
Humidity	0~95%, non-condensing				
Altitude	4000m				
Display and Communication					
Inverter Display	LCD				
Inverter Communication	RS485				
Mechanical Data					
Area (m ²)	0.4	0.4	1.2	1.4	2.3

*Note:Stresses beyond those listed under “Max. DC Voltage” may cause permanent damage to the device.

Schematic diagram of various assemblies

