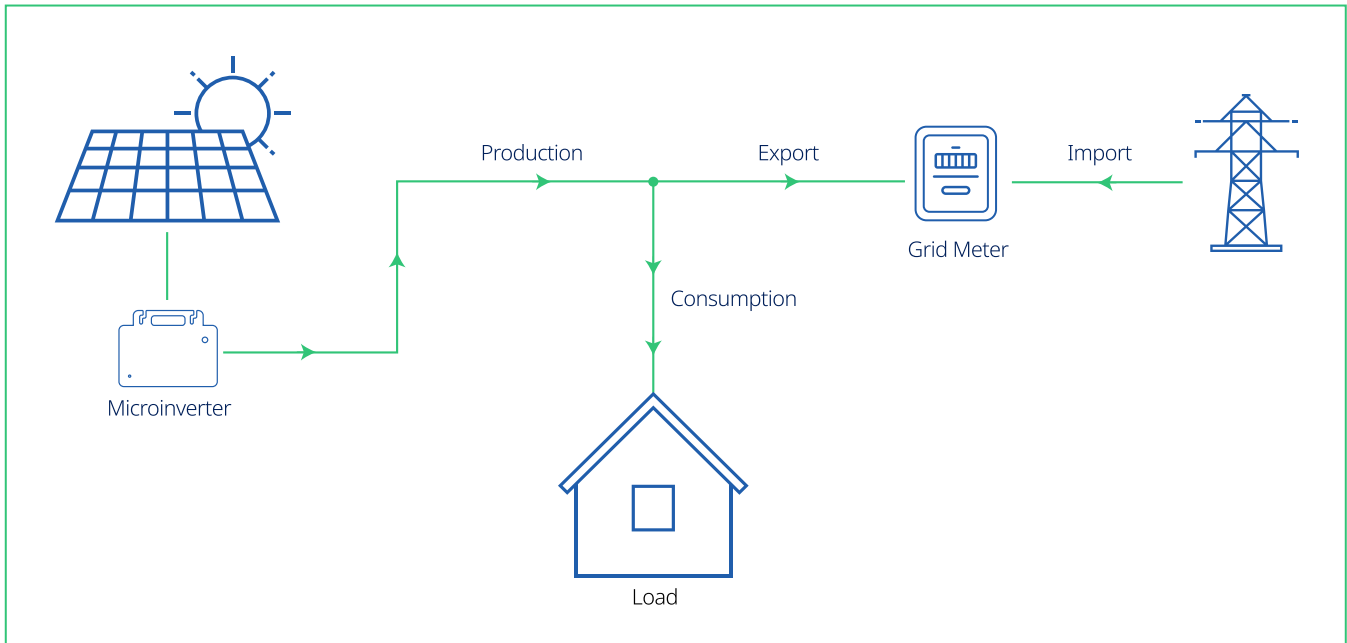
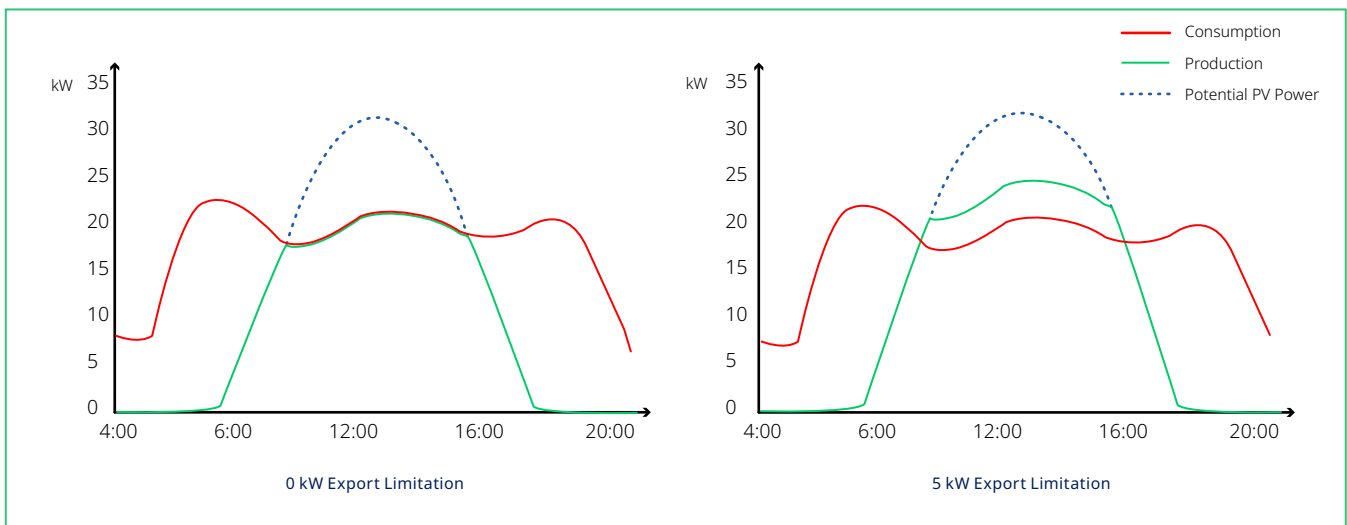


Smart Power Export Management System



The Hoymiles Smart Power Export Management is an intelligent and reliable solution for managing the amount of power exported to the grid. It includes smart meters with external current transformers (CTs), the Hoymiles Gateway DTU-Pro (or DTU-Pro-S), and Hoymiles microinverters. The meter monitors export power or load consumption, and the DTU gateway dynamically adjusts PV power output based on these measurements.

This solution allows the meter to be installed either on the load side or the grid side. To ensure accurate PV production readings, install the meter at the PV system output. With this setup, you can install larger PV systems without violating grid export regulations, track production data in the S-Miles Cloud, and trade solar energy on-line for increased revenue.



Load consumption and PV production curves throughout the day

System Composition



DTU-Pro/DTU-Pro-S

DTU is the control center for the export management solution, receiving data from the meter and adjusting the microinverter's output power accordingly.



Split-phase electricity meter (With 100/250 A Current Transformer)

Equipped with 100/250 A Current Transformers, this meter measures PV production, load consumption, or export power, and is suitable for split-phase power grids.

Suitable for split-phase power grid



Three-phase electricity meter (With 100/250 A Current Transformer)

Equipped with 100/250 A Current Transformers, this meter measures PV production, load consumption, or export power for larger currents.

Suitable for three-phase power grid

Technical Specifications

Model (Meter)	DTSU666 (CT-2 × 100A)	DTSU666 (CT-2 × 250A)	DTSU666(CT-3 × 100A)	DTSU666(CT-3 × 250A)
Power Supply				
Service Type	1P3W		3P3W/3P4W	
Input voltage (phase voltage)	96 Vac - 138 Vac		154 Vac - 253 Vac	
Power consumption	≤ 1.5 W			
Measuring Range				
Phase voltage	96 Vac - 138 Vac		154 Vac - 253 Vac	
Current	0 - 100 A	0 - 250 A	0 - 100 A	0 - 250 A
Measuring Accuracy				
0.01 In ≤ I < 0.05 In*			±1.5 %	
0.05 In ≤ I ≤ In*			±1.0 %	
Communication				
Interface			RS485	
Communication protocol	Modbus-RTU			
Mechanical Data				
Wiring type	Via-CT			
Ambient temperature range	-25 °C - 70 °C			
Dimensions (W × H × D)	72 x 98 x 65 mm		72 x 100 x 65.5 mm	
Mounting Type	DIN35 Rail			
CT Data				
Thread	Single turn			
Install	Buckle			
Ambient temperature range	-25 °C - 70 °C			
Dimensions (W × H × D)	44 x 78 x 33 mm		44 x 77 x 33 mm	
Cable length	6 m			
*In: Secondary rated current of the current transformer.				

Unit: mm

