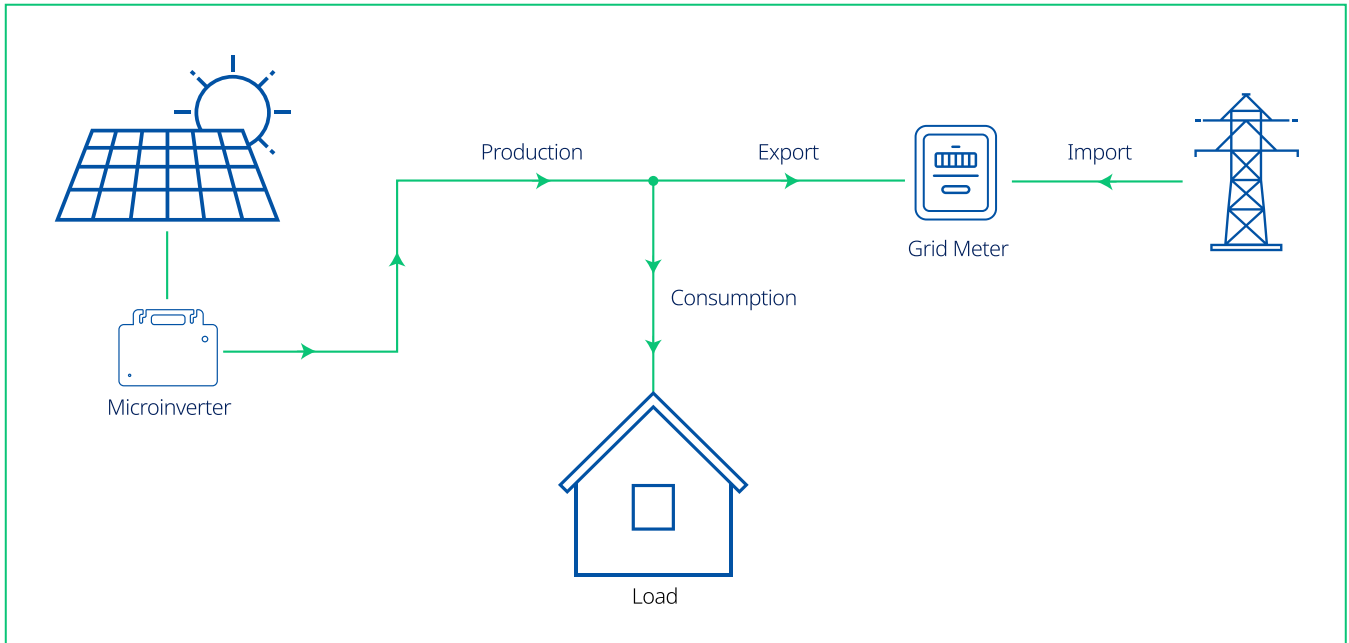
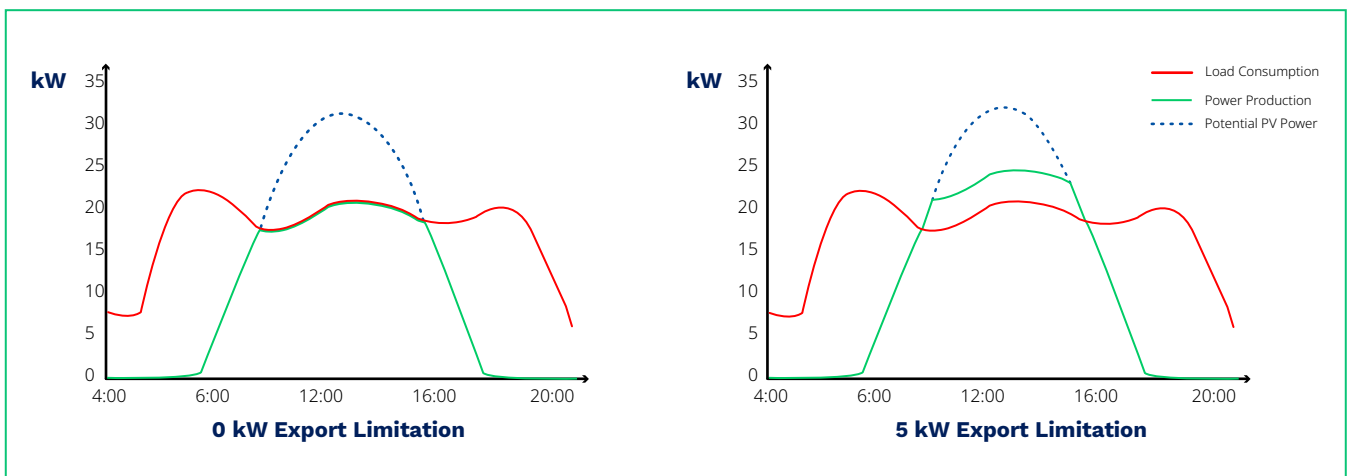


# Smart Power Export Management System



The Hoymiles Smart Power Export Management can intelligently control the output power of the photovoltaic system, and maximize the user's power generation profits without violating grid export regulations. At the same time, this system can also accurately display the power and production of the photovoltaic system with the measuring meter, so that users can trade the PV production online according to data on S-Miles Cloud.

In Hoymiles Export Management solution, Hoymiles gateway DTU-Pro (or DTU-Pro-S) and additional meter (CT optional) are necessary. In the case of export limitation, the meter can be installed at the load side or the grid side. As shown below, the gateway DTU will dynamically adjust the PV power production according to the export power or load consumption as measured by the meter, so that the export power does not exceed the preset limit. To display the PV production in an accurate way, the meter needs to be installed at the output of the PV system to enable the user to get the PV power production remotely.



Load consumption and PV production curves throughout the day

## System Composition



### DTU-Pro/DTU-Pro-S

As the control center of export management solution, DTU receives data from the meter and adjusts the output power of the microinverters.



### Single-phase electric meter

Single-phase electric meter can be directly connected to the circuit and used to measure the PV power production, load consumption and export power.

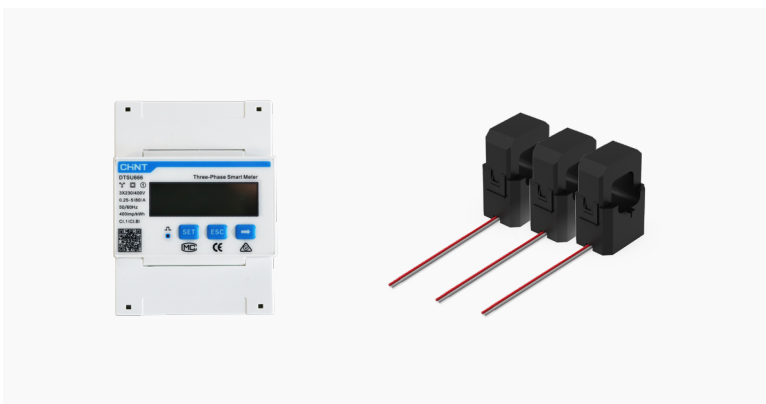
**Suitable for single-phase power grid**



### Three-phase electric meter

Three-phase electric meter can be directly connected to the circuit and used to measure the PV power production, load consumption and export power.

**Suitable for three-phase and split-phase power grid**



### Three-phase electric meter (Via Current Transformer)

When the meter cannot be directly connected to the circuit or the system capacity is a little higher, a three-phase meter with the external current transformer is preferred.

**Suitable for three-phase and split-phase power grid**

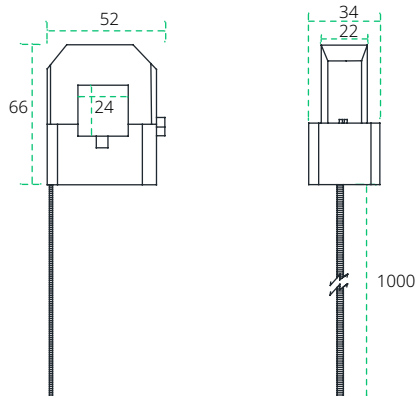
## Technical Specifications

Model (Meter)	DDSU666	DDSU666	DTSU666 (Via-CT)
<b>Power Supply</b>			
Grid type	1P2W		3P4W
Input voltage (phase voltage)		176 Vac-288 Vac	
Power consumption (W)		≤ 1.5	
<b>Measuring Range</b>			
Phase voltage		176 Vac-288 Vac	
Current (A)		0-80	0-100/300/600 <sup>1</sup>
<b>Measuring Accuracy</b>			
Voltage		±0.5%	±0.5%
Current/Power		±0.5%	±1%
Energy		±0.5%	±1%
<b>Communication</b>			
Interface		RS485	
Communication protocol		Modbus-RTU	
<b>Mechanical Data</b>			
Wiring type		Direct-Connect	Via-CT <sup>1</sup>
Ambient temperature range (°C)		-25 to 55	
Dimensions (W×H×D mm)	36 x 100 x 65.5		72 x 100 x 65.5
Mounting type		DIN35 Rail	

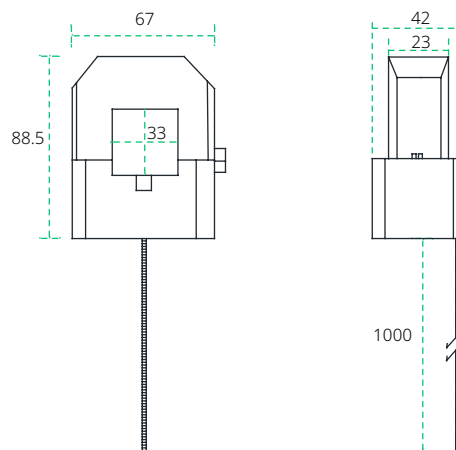
\*1:Needs to be used with the current transformers provided by Hoymiles.

Model (CT)	CT-100A/5A-1m	CT-300A/5A-1m	CT-600A/5A-1m
<b>Electrical Specification</b>			
Rated primary current (A)	100	300	600
Rated secondary current (A)		5	
Accuracy class	2%@10%I <sub>rated</sub>	1%@5%I <sub>rated</sub>	
Measuring range		5%I <sub>rated</sub> -120%I <sub>rated</sub>	
Working frequency (Hz)		50/60	
<b>Mechanical Data</b>			
Thread		Single turn	
Install		Buckle	
Ambient temperature range (°C)		-25 to 65	
Dimensions(W×H×D mm)		52 x 66 x 34	67 x 88.5 x 47
Conductor length (m)		1	

Unit: mm



CT-100A/5A-1m / CT-300A/5A-1m



CT-600A/5A-1m