

# The **SUNCHINE POS3** range



## High performance

- Power from a few kW to MW
- 98% maximum efficiency
- PV conversion, energy shifting and peak shaving
- Grid stabilizing (active and reactive power)

**Choosing the right battery technology**

## Flexible

- Can be integrated into existing photovoltaic installations
- Modular "hot swap" scalable system for both power and back-up time
- Compatible with different battery technologies and ultra-capacitor energy storage systems

## Intuitive

- Front access for easy installation, use and maintenance
- Graphic display for ergonomic operation and monitoring
- Easy back-up configuration via scalable battery modules



## Technical features – SUNCHINE POS3 power converters

	With transformer		
	33TR	66TR	100TR
<b>INPUT (DC)</b>			
DC battery voltage		450-850 Vdc	
Number of independent converters	1	2	3
Maximum current	80 A	160 A	240 A
<b>OUTPUT (AC)</b>			
Rated power	33000 W	66000 W	100000 W
Rated voltage		400 Vms(1) 3ph	
Rated frequency		50 Hz(1)	
Topology	Single conversion – Output transformer		
<b>EFFICIENCY</b>			
Maximum efficiency		97 %	
European efficiency		96 %	
<b>CABINET</b>			
Dimensions (W x D x H)	600 x 795 x 1400 mm		1200 x 795 x 1400 mm
Weight	330 kg	525 kg	770 kg

(1) depending on the specific country and regulations

## Technical features – SUNCHINE POS3 battery cabinet

	SUNCHINE LITHIUM	
	SUNCHINE-AB-LT30	SUNCHINE-AB-LT38
Technology	Lithium ion battery	
Rated capacity	30 kWh	38 kWh
Rated voltage	616 V	784 V
Dimensions (W x D x H)	600 x 795 x 1400 mm	600 x 795 x 1700 mm

## SUNCHINE LITHIUM

- High performance during rapid discharge (peak shaving applications).
- High energy density.
- Highly compact.
- Easy scalability.
- Easy to maintain (hot-swap).
- Long life cycle.
- Maintenance free.
- Environmentally-friendly.

## AEH Power Projects BV

Maasstraat 48 – 5995 ND Kessel-Eik Holland - Tel. +31(0)77 462 1485 - Fax +31(0)77 462 2265 – info@aehpower.nl