Life Is On | Schneider Electric

# Proven value for off-grid, backup power and self-consumption

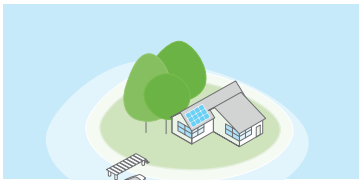
## SW inverter/charger

The SW is a pure sine wave inverter that provides reliable power after a simple installation. The unique features of the SW adds value for both installers and system owners globally.

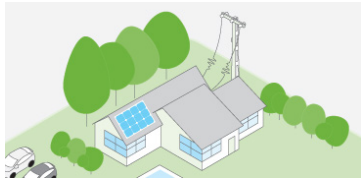

## Solution at a glance

Delivering proven value at a competitive price, the SW inverter/charger provides the best value for off-grid solar, self-consumption and long-term backup for homes, small business and small remote communities.

- **High reliability** design proven through extreme testing under the harhsest conditions.
- Leading performance in **surge capability** and charging efficiency.
- Most advanced **energy optimization** configurable features with the ability to cover a wide variety of applications.
- Complete balance of system and comprehensive commissioning tools for **easy-installation**.
- **Plug and play** monitoring and control based on Xanbus network.
- **Simple** to install, maintain and operate.



Off-grid solar



Backup power

Self-consumption

# SW Inverter/charger

## Technical Specifications - IEC Standards

| | SW 4024 230 | SW 4048 230 |
|---|---|---|
| Electrical specifications - inverter | | |
| Output power (continuous) at 25°C | 3400 W | 3800 W |
| Output power (30 min) at 25°C | 4000 W | 4400 W |
| Output power (5 sec) at 25°C | 7000 W | 7000 W |
| Peak current | 42 A | 42 A |
| Output frequency | 50 / 60 Hz selectable | 50 / 60 Hz selectable |
| Output voltage | 230 Vac | 230 Vac |
| Output wave form | True sine wave | True sine wave |
| Optimal efficiency | 92% | 94% |
| Idle consumption search mode | <11 W | <11 W |
| Input DC voltage range | 20 - 34 Vdc | 40 - 68 Vdc |
| AC connections | Single phase | Single phase |
| Electrical specifications - charger | | |
| Output current | 90 A | 45 A |
| Nominal output voltage | 24 Vdc | 48 Vdc |
| Output voltage range | 12 - 32 Vdc | 24 - 64 Vdc |
| Charge control | 2 or 3 stage | 2 or 3 stage |
| Charge temperature compensation | Yes - BTS included | Yes - BTS included |
| Optimal efficiency | 90% | 92% |
| AC input power factor | > 0.98 | > 0.98 |
| Input current | 14 A | 15 A |
| Input AC voltage | 230 Vac | 230 Vac |
| Input AC voltage range line to neutral | 170 - 270 Vac | 170 - 270 Vac |
| Dead battery charge | Yes | Yes |
| General specifications | | |
| Compatible battery types | FLA, Gel, AGM, Custom | FLA, Gel, AGM, Custom |
| Transfer relay rating | 30 A | 30 A |
| Transfer time (AC to inverter and inverter to AC) | <1 cycle (20 ms) | <1 cycle (20 ms) |
| Optimal operating temperature range | -20°C to 60°C (-4°F to 140°F) | -20°C to 60°C (-4°F to 140°F) |
| Storage ambient temperature range | -40°C to 85°C (-40°F to 185°F) | -40°C to 85°C (-40°F to 185°F) |
| Humidity Operation / storage | <= 95% RH, non condensing | <= 95% RH, non condensing |
| Ingress protection rating | Indoor only, IP20 | Indoor only, IP20 |
| Altitute (operating) | 2000 m (6562 ft) | 2000 m (6562 ft) |
| Product weight | 28.1 kg (62.0 lb) | 28.1 kg (62.0 lb) |
| Shipping weight | 35.0 kg (77.1 lb) | 35.0 kg (77.1 lb) |
| Product dimensions (H x W x D) | 41.8 x 34.1 x 19.7 cm (16.5 x 13.4 x 7.6 in) | 41.8 x 34.1 x 19.7 cm (16.5 x 13.4 x 7.6 in) |
| Shipping dimensions (H x W x D) | 56.0 x 44.0 x 32.0 cm (22.0 x 17.3 x 12.6 in) | 56.0 x 44.0 x 32.0 cm (22.0 x 17.3 x 12.6 in) |
| System network and remote monitoring | Available | Available |
| Warranty | Please refer to our website, SEsolar.com for the latest version of the warranty statement. | |
| Part number | 865-4024-61, 865-4024-55 | 865-4048-61, 865-4048-55 |
| Regulatory approvals | | |
| Safety | CE mark , RCM mark, IEC/EN62109-1, IEC/EN62109-2 | |
| EMC | EN 61000-3-2, EN 61000-3-3, EN 61000-6-3, EN 61000-6-1 | |
| RCM | AS/NZ 61000.6.3 | |
| Compatible Products Part Numbers | | |
| Power Distribution Panels | Universal DC distribution panel (865-1016), AC distribution panel (230 V) (865-1017-61) | |
| MPPT Charge Controllers | MPPT 100 600 (865-1034), MPPT 80 600 (865-1032), MPPT 60 150 (865-1030-1) | |
| Monitoring | Insight | |
| Accessories | System Control Panel (865-1050-01), Automatic Generator Start (865-1060-01), Battery Monitor (865-1080-01), Configuration Tool (865-1155-01) | |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