



# Compatible components within a battery based SP PRO system

## Introduction

This document outlines the combination of compatible components within a SP PRO based power system. The guide is a useful tool in the initial design stage.

<b>Single Phase Solar Hybrid 24V – AC Coupled</b>		
<b>Component</b>	<b>manufacturer</b>	<b>Compatible Models</b>
<b>Multimode Inverter</b>	Selectronic SP PRO	SPMC240-AU (3kW 24V) SPMC241-AU (4.5kW 24V)
<b>Battery, Unmanaged</b>	Simplphi	3.5kWhr 24V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV Inverter</b>	Selectronic Fronius Primo SCERT	PRIM3.0-1W-CER PRIM4.0-1W-CER PRIM5.0-1W-CER PRIM6.0-1W-CER PRIM8.2-1W-CER
	Selectronic ABB SCERT	UNO-DM-3.3-CERT UNO-DM-4.0-CERT UNO-DM-5.0-CERT UNO-DM-6.0-CERT
<b>Options</b>	Selectronic Selectronic	Select.live monitoring Grid Fail Generator Backup Module

# SP PRO Interactive Inverter Charger

## Technical Note



### Single Phase Solar Hybrid 24V – DC Coupled

Component	manufacturer	Compatible Models
<b>Multimode Inverter</b>	Selectronic SP PRO	SPMC240-AU (3kW 24V) SPMC241-AU (4.5kW 24V)
<b>Battery, Unmanaged</b>	Simplphi	3.5kWhr 24V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV MPPT</b>	Morning Star	TriStar TS-MPPT-60M TriStar TS-MPPT-60 Tristar TS-MPPT-45 Tristar TS-MPPT-30 TriStar TS-MPPT-60-600V-48
<b>Options</b>	Selectronic Selectronic	Select.live monitoring Grid Fail Generator Backup Module

# SP PRO Interactive Inverter Charger

## Technical Note



### Split Phase or Three Phase Solar Hybrid 24V – AC Coupled

Component	manufacturer	Compatible Models
<b>Multimode Inverter</b>	Selectronic SP PRO	3 x SPMC240-AU (9kW 24V) 3 x SPMC241-AU (13.5kW 24V)
<b>Battery, Unmanaged</b>	Simplphi	3.5kWhr 24V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV Inverter – Split Phase and Three phase</b>	Selectronic Fronius Primo SCERT	PRIM3.0-1W-CER PRIM4.0-1W-CER PRIM5.0-1W-CER PRIM6.0-1W-CER PRIM8.2-1W-CER
	Selectronic ABB SCERT	UNO-DM-3.3-CERT UNO-DM-4.0-CERT UNO-DM-5.0-CERT UNO-DM-6.0-CERT
<b>PV Inverter – Three phase only</b>	Selectronic SelectSun	SelectSun 20K
	Selectronic Fronius Symo SCERT	SYM 15-3W-SCER SYM 20-3W-SCER
<b>Options</b>	Selectronic Selectronic	Select.live monitoring Grid Fail Generator Backup Modules

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## Technical Note



### Split Phase or Three Phase Solar Hybrid 24V – DC Coupled

Component	manufacturer	Compatible Models
<b>Multimode Inverter</b>	Selectronic SP PRO	3 x SPMC240-AU (9kW 24V) 3 x SPMC241-AU (13.5kW 24V)
<b>Battery, Unmanaged</b>	Simplphi	3.5kWhr 24V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV MPPT</b>	Morning Star	TriStar TS-MPPT-60M TriStar TS-MPPT-60 Tristar TS-MPPT-45 Tristar TS-MPPT-30 TriStar TS-MPPT-60-600V-48
<b>Options</b>	Selectronic Selectronic	Select.live monitoring Grid Fail Generator Backup Modules

# SP PRO Interactive Inverter Charger

## Technical Note



### Single Phase Solar Hybrid 48V – AC Coupled

Component	manufacturer	Compatible Models
<b>Multimode Inverter</b>	Selectronic SP PRO	SPMC481-AU (5kW 48V) SPMC482-AU (7.5kW 48V)
<b>Battery, Managed</b>	LG Chem RESU battery	RESU3.3 RESU6.5 RESU9.0 RESU13
	LG Chem stand alone modules	LG Chem M48126P3S7 LG Chem M4863P3S5 LG Chem M4863P3S4
	BYD Lithium Batteries	BYD B-Plus 2.5 Module BYD B-Plus L 3.5 Module BYD Battery-Box Pro 13.8 BYD Battery-Box Pro 16.5
	GNB Sonnenschein@home lithium	Sonnenschein@Home Lithium 6.8 Sonnenschein@Home Lithium 9.0
<b>Battery, Unmanaged</b>	Simplphi	3.0kWhr 48V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV Inverter</b>	Selectronic Fronius Primo SCERT	PRIM3.0-1W-CER PRIM4.0-1W-CER PRIM5.0-1W-CER PRIM6.0-1W-CER PRIM8.2-1W-CER
	Selectronic ABB SCERT	UNO-DM-3.3-CERT UNO-DM-4.0-CERT UNO-DM-5.0-CERT UNO-DM-6.0-CERT
<b>Options</b>	Selectronic Selectronic	Select.live monitoring Grid Fail Generator Backup Module

# SP PRO Interactive Inverter Charger

## Technical Note



### Single Phase Solar Hybrid 48V – DC Coupled

Component	manufacturer	Compatible Models
<b>Multimode Inverter</b>	Selectronic SP PRO	SPMC481-AU (5kW 48V) SPMC482-AU (7.5kW 48V)
<b>Battery, Unmanaged</b>	Simplphi	3.0kWhr 48V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV MPPT</b>	AERL	Cool Max SRX 60 180 Cool Max SRX 45 290
	Morning Star	TriStar TS-MPPT-60M TriStar TS-MPPT-60 Tristar TS-MPPT-45 Tristar TS-MPPT-30 TriStar TS-MPPT-60-600V-48
<b>Options</b>	Selectronic Selectronic	Select.live monitoring Grid Fail Generator Backup Module

# SP PRO Interactive Inverter Charger

## Technical Note



### Split Phase or Three Phase Solar Hybrid 48V – AC Coupled

Component	manufacturer	Compatible Models
<b>Multimode Inverter.</b>	Selectronic SP PRO	3 x SPMC481-AU (15kW 48V) 3 x SPMC482-AU (22.5kW 48V)
<b>Battery</b>	LG Chem Stand alone modules	LG Chem M48126P3S7 LG Chem M4863P3S5 LG Chem M4863P3S4
	BYD Lithium Batteries	BYD B-Plus 2.5 Module BYD B-Plus L 3.5 Module BYD Battery-Box Pro 13.8 BYD Battery-Box Pro 16.5
	GNB Sonenschein@home lithium	Sonnenschein@Home Lithium 6.8 Sonnenschein@Home Lithium 9.0
<b>Battery, Unmanaged</b>	Simplphi	3.0kWhr 48V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV Inverter, Split phase or Three phase</b>	Selectronic Fronius Primo SCERT	PRIM3.0-1W-CER PRIM4.0-1W-CER PRIM5.0-1W-CER PRIM6.0-1W-CER PRIM8.2-1W-CER
	Selectronic ABB SCERT	UNO-DM-3.3-CERT UNO-DM-4.0-CERT UNO-DM-5.0-CERT UNO-DM-6.0-CERT
<b>PV Inverter, three phase only</b>	Selectronic SelectSun	SelectSun 20K SelectSun 40K
	Selectronic Fronius Symo SCERT	SYM 15-3W-SCER SYM 20-3W-SCER
<b>Options</b>	Selectronic Selectronic	Select.live monitoring Grid Fail Generator Backup Module

# SP PRO Interactive Inverter Charger

## Technical Note



### Split Phase or Three Phase Solar Hybrid 48V – DC Coupled

Component	manufacturer	Compatible Models
<b>Multimode Inverter.</b>	Selectronic SP PRO	3 x SPMC481-AU (15kW 48V) 3 x SPMC482-AU (22.5kW 48V)
<b>Battery, Unmanaged</b>	Simplphi	3.0kWhr 48V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV MPPT</b>	AERL	Cool Max SRX 60 180 Cool Max SRX 45 290
	Morning Star	TriStar TS-MPPT-60M TriStar TS-MPPT-60 Tristar TS-MPPT-45 Tristar TS-MPPT-30 TriStar TS-MPPT-60-600V-48
<b>Options</b>	Selectronic Selectronic	Select.live monitoring Grid Fail Generator Backup Module



# SP PRO Interactive Inverter Charger

## Technical Note



### Single Phase Solar Hybrid 120V – AC Coupled

Component	manufacturer	Compatible Models
<b>Multimode Inverter</b>	Selectronic SP PRO	SPLC1200 (15kW 120V) SPLC1202 (20kW 120V)
<b>Battery, Unmanaged</b>	Simplphi	6.0kWhr 120V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV Inverter Split</b>	Selectronic Fronius Primo SCERT	PRIM3.0-1W-CER PRIM4.0-1W-CER PRIM5.0-1W-CER PRIM6.0-1W-CER PRIM8.2-1W-CER
	Selectronic ABB SCERT	UNO-DM-3.3-CERT UNO-DM-4.0-CERT UNO-DM-5.0-CERT UNO-DM-6.0-CERT
<b>Options</b>	Selectronic	Select.live monitoring

### Single Phase Solar Hybrid 120V – DC Coupled

Component	manufacturer	Compatible Models
<b>Multimode Inverter</b>	Selectronic SP PRO	SPLC1200 (15kW 120V) SPLC1202 (20kW 120V)
<b>Battery, Unmanaged</b>	Simplphi	6.0kWhr 120V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV MPPT</b>	AERL	Cool Max SRX 45 290
<b>Options</b>	Selectronic	Select.live monitoring

# SP PRO Interactive Inverter Charger

## Technical Note



<b>Split Phase or Three Phase Solar Hybrid 120V – AC Coupled</b>		
<b>Component</b>	<b>manufacturer</b>	<b>Compatible Models</b>
<b>Multimode Inverter.</b>	Selectronic SP PRO	3 x SPLC1200 (45kW 120V) 3 x SPLC1202 (60kW 120V)
<b>Battery, Unmanaged</b>	Simplphi	6.0kWhr 120V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV Inverter, Split phase or Three phase</b>	Selectronic Fronius Primo SCERT	PRIM3.0-1W-CER PRIM4.0-1W-CER PRIM5.0-1W-CER PRIM6.0-1W-CER PRIM8.2-1W-CER
	Selectronic ABB SCERT	UNO-DM-3.3-CERT UNO-DM-4.0-CERT UNO-DM-5.0-CERT UNO-DM-6.0-CERT
<b>PV Inverter, three phase only</b>	Selectronic SelectSun	SelectSun 20K SelectSun 40K
	Selectronic Fronius Symo SCERT	SYM 15-3W-SCER SYM 20-3W-SCER
<b>Options</b>	Selectronic	Select.live monitoring

# SP PRO Interactive Inverter Charger

## Technical Note



### Split Phase or Three Phase Solar Hybrid 120V – DC Coupled

Component	manufacturer	Compatible Models
<b>Multimode Inverter.</b>	Selectronic SP PRO	3 x SPLC1200 (45kW 120V) 3 x SPLC1202 (60kW 120V)
<b>Battery, Unmanaged</b>	Simplphi	6.0kWhr 120V
	Any Brand of Sealed Lead Acid battery.	Any Sealed Lead Acid Solar battery.
<b>PV MPPT</b>	AERL	Cool Max SRX 45 290
<b>Options</b>	Selectronic	Select.live monitoring