



# Residential storage system

## UNIVERSAL 10|4

The UNIVERSAL 10|4 is FIMER's US residential home storage solution. Providing 10 kWh of battery storage and a 4 kVA inverter for on and off-grid applications.

**10 kWh / 4 kVA**



## Technical data and types

### Inverter specifications

Output power (continuous) at 25°C	3800 W
Output power (30 min) at 25°C	4400 W
Output power (5 sec) at 25°C	7000 W
Peak current	41 A
Output frequency	50 / 60 Hz selectable
Output voltage	120 / 240 Vac
Output wave form	True sine wave
Optimal efficiency	94%
Idle consumption search mode	<11 W
Input DC voltage range	40 - 68 Vdc
AC connections	Single / Split phase

### Electrical specifications / Charger

Output current	45 A
Nominal output voltage	48 Vdc
Output voltage range	24 - 64 Vdc
Charge control	2 or 3 stage
Charge temperature compensation	Yes - BTS included
Optimal efficiency	92%
AC input power factor	> 0.98
Input current	12 A
Input AC voltage	120 / 240 Vac split phase
Input AC voltage range line to neutral	95 - 135 Vac single phase 170 - 270 Vac three phase
Dead battery charge	Yes

### Regulatory approvals

Safety	c(CSA) us mark CSA C22.2, No. 107.1-01 UL1741 Ed.2
EMC	FCC Part 15 Class B

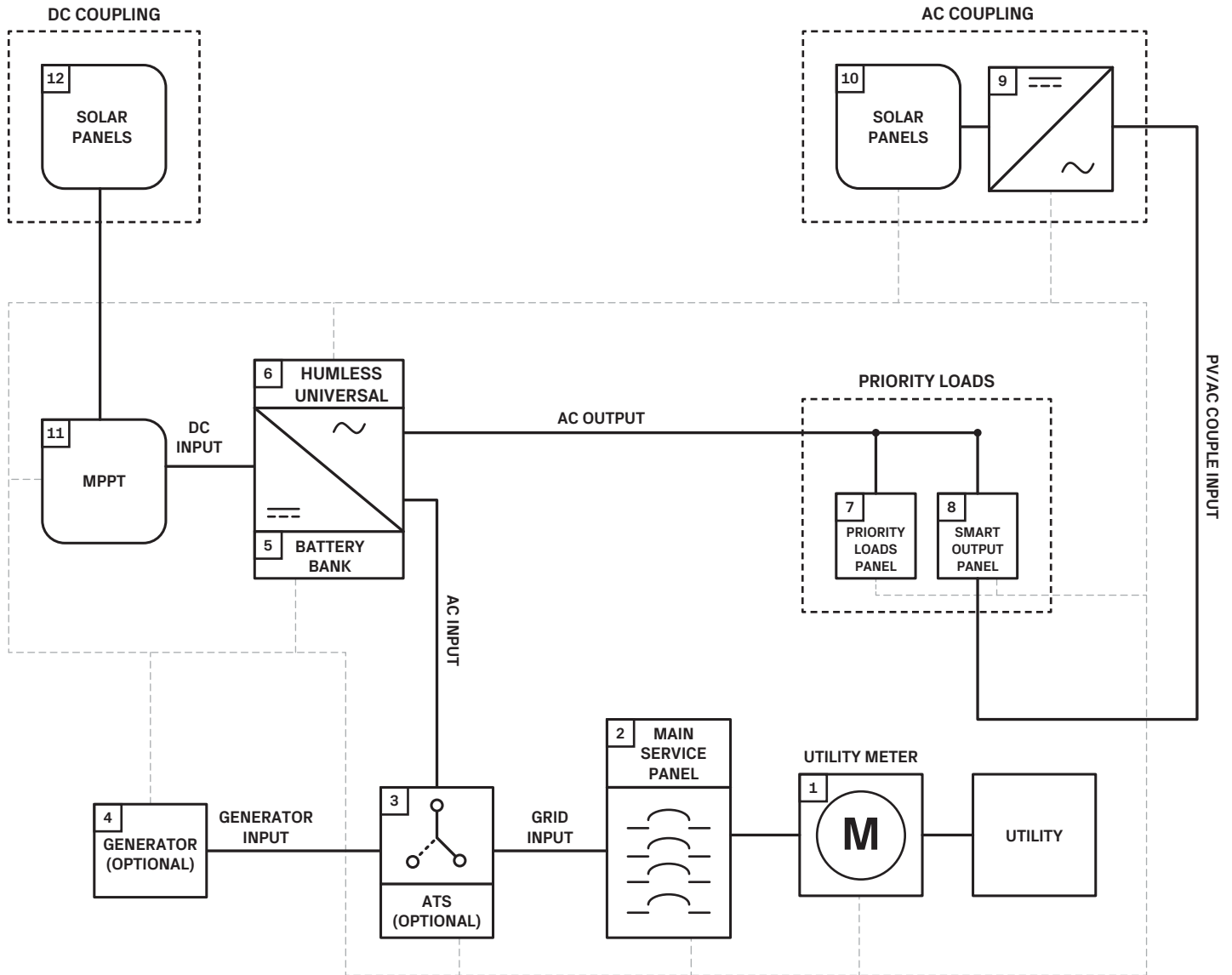
### Charge controller

Nominal Battery Voltage	12, 24, 36, 48, 60 V
Max. PV Array Voltage (operating)	140 V
Max. PV Array Open-Circuit Voltage	150 V (including temperature correction factor)

### General specifications

Battery	10 kWh LiFePO <sub>4</sub> (LFP)
Stackable	Max 2 units
Tare loss	27 W
Compatible battery types	LFP, FLA, Gel, AGM, Custom
Transfer relay rating	30 A
Transfer time	(AC to inverter and inverter to AC) <1 cycle (16.7 ms)
Optimal operating temperature range	-10°C to 45°C / 14°F to 113°F
Storage ambient temperature range	-40°C to 52°C / -40°F to 125°F
Humidity Operation / storage	< 95% RH, non condensing
Ingress protection	Indoor only, IP20
System network and remote monitoring	Available
Weight (Approximately)	450 lbs
Dimensions	37" (W) x 47" (H) x 13" (D)

# Basic line diagram



**Note**  
 Pairs with the FIMER DM-PLUS-3.8 or 5 kW inverter for AC coupling or retrofit into any existing system.



For more information please contact your local FIMER representative or visit:

fimer.com

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. FIMER does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of FIMER. Copyright© 2020 FIMER. All rights reserved.

