

MxK



THE POWER TO CONTROL IT ALL

ONE INTELLIGENT AVR SERIES

In a world where complexity is increasing rapidly, and market requirements are becoming demanding day by day and where data sharing to enable better performances and protections are a must, MxK Mecc Alte AVRs are the optimum solution to support Gen Set OEMs simplifying their activity.

The "S" models enables CANBus optimised communication with Mecc Alte Controllers and full integration with the complete power system.

SMARTREADY 

 **DIGITAL GENERATION**



M2K

M2K^S

M3K

M3K^S

M3K^{BHD}

MAIN BENEFITS & FUNCTIONS

Simplicity and time saving - **autotuning function**

Smart Ready with open CANBUS for communication with Mecc Alte controllers for optimal data sharing and system integrations

Robust control with critical load conditions (distorting loads, electronics, engine speed variation)

Performances optimised in transient conditions
(LAMS - Load Acceptance Module System / HD - High Dynamic functions) - G2 ready

Enhanced **short circuit capability/high peak excitation current** to maximise motor start capability

Wide access to parameters for diagnostic and customised settings

Universal design - Highly reliable, optimised for the vast majority of applications. (marine, rental, parallel, grid code, heavy duty)

THE SOLUTION

MxK

Product features	 M2K STANDARD MODEL	 M3K STANDARD MODEL	 M2K^S OPTIONAL MODEL	 M3K^S OPTIONAL MODEL	 M3K^{SHD} OPTIONAL MODEL
AUTOTUNING	✓	✓	✓	✓	✓
DIGITAL	✓	✓	✓	✓	✓
+/- 0.5% VOLTAGE ACCURACY	✓	✓	✓	✓	✓
ROBUST CONTROL IN CASE OF CRITICAL LOADS	✓	✓	✓	✓	✓
AUX / PMG EXCITATION COMPATIBILITY	✓	✓	✓	✓	✓
OPTIMISED & SIMPLY ADJUSTMENT FOR SPECIFIC APPLICATIONS	✓	✓	✓	✓	✓
MAXIMISED SHORT CIRCUIT CAPABILITY	✓	✓	✓	✓	✓
LAMS (LOAD ACCEPTANCE MODULE SYSTEM)	✓	✓	✓	✓	✓
FULL DIAGNOSTIC	✓	✓	✓	✓	✓
80+ ADJUST PARAM	✓	✓	✓	✓	✓
SELF-PROTECTION	✓	✓	✓	✓	✓
REMOTE VOLTAGE REFERENCES	✓	✓	✓	✓	✓
SOFT-START	✓	✓	✓	✓	✓
VOLTAGE SENSING ACROSS 1 PHASE	✓	✓	✓	✓	✓
VOLTAGE SENSING ACROSS 3 PHASES (BUILT IN OPTION)		✓		✓	✓
DROOP COMPATIBLE		✓		✓	✓
SINGLE CURRENT SENSING		✓		✓	✓
HD (HIGH DYNAMIC)					✓
APO (ACTIVE PROTECTION OUTPUT)					✓
EMBEDDED USB PORT					✓

Smart Ready features



Incorporating open communication through embedded CANbus allowing the AVR to talk intelligently to the controller.

CANBUS FULL INTEGRATION WITH MA SMART READY CONTROLLERS (READING & WRITING) 			✓	✓	✓
	MODBUS - USB				✓