

ABSTRACT

LOAD PREDICTION METHOD AND APPARATUS BASED ON NEURAL NETWORK

Disclosed are a load prediction method and apparatus based on a neural network. The
5 method comprises: receiving a time period to be predicted (S202); inputting the time period
into a neural network model for predicting an energy load, wherein the neural network model
is a radial-basis neural network obtained by means of training based on a hybrid particle
swarm optimization algorithm (S204); and using the neural network model to predict an
energy load value in the time period (S206). The method solves the technical problem in the
10 prior art of low accuracy when a single load prediction algorithm is used for predicting an
energy load.

(FIG. 2)