F	2 dimensional flow matrix
	3 dimensional flow matrix
$f_{i,j,k}$	Flow on day $i$ , time slot $j$ and location $k$
nLoc	Number of locations where charging stations are located.
\$l\in {1, 2, L }	Layers of neural network, L total number of layers
$x_i, y_i$	$i_{th}$ instance of input and output vector
$\begin{bmatrix} w_{j,i}^l \\ net_j^l \end{bmatrix}$	Weight between $j_{th}$ neuron in layer $l$ and $i_{th}$ neuron in layer $l-1$
$net_j^l$	Net input to $j_{th}$ neuron in layer $l$
$O_i^{l-1}$	Output of $i_{th}$ neuron in layer $l-1$
f	Activation function
E	Error
$\delta w_{j,i}^l$	Incremental change in weight
$\eta$	Learning rate
p,q,r	Coordinates of flow matrix where traffic need to be predicted
l, n	Historical $l$ and $n$ time slots
$\overline{m}$	Spatial locations
S	Historical weeks
I, Y	Input and target output matrix
IO	number of elements in input or target output matrix
iter	Number of iterations
$n_h^l$	Number of neurons in hidden layer $l$

N	Number of charging requests
M	Number of charging stations
$\frac{l_j^c}{R_i^t}$	Location of $j_{th}$ charging station
$R_i^t$	$i_{th}$ PEV request made at time $t$
$t_i$	Time at which request $i$ is generated
$l_i$	Location of PEV $i$ when request is made
$\gamma_i$	Direction of travel for request i
$s_i^{avg}$	Average speed of PEV with request $i$
$SOC_i^{curr} \sim SOC_i^{min}, SOC_i^{req}$	Current, minimum, and required status of charge for PEV
$r_i^{dc}$	Rate of discharge for PEV i
$d_i^{max}$	Maximum distance a PEV can travel with current status of ch
au	Optimization interval
$ au_n$	Time slot at which PEV reaches $j_{th}$ charging station
$egin{array}{c}  au^w_{j,n} \  au^c_j \  au\{\mathrm{i,j}\} \end{array}$	Wait time at $j_{th}$ charging station at time slot $n$
$r_j^c$	Charging rate of EVSE at charging station $j$
$T_{-}\{i,j\}$	Sum of travel time and wait time for PEV i at charging station
$M_i$	Set of potential charging stations for request $R_i^t$
M	Tuple containing every $M_i$
$ \begin{array}{c c} t_c^{i,j} \\ \hline N_a^i \end{array} $	Effective charging time of $i_{th}$ request in $j_{th}$ element of potentia
$N_a^i$	Assigned station to request $i$
$S_a$	Set of assigned station